2011/2012

AV MEDIA e CATALOGUE

PRODUCT LINE

AUDIO SYSTEM

DIGITAL SIGNAGE

HIGHT AJUSTABLE SYSTEM (IWB)

MULTI-TOUCH INTERACTIVE WHITEBOARD

MULTIMEDIA RECORDING & STREAMING

PROJECTOR

PLASMA DISPLAY

PROJECTION SCREEN

PORTABLE PA SYSTEM

TOUCH PANEL INTEGRATED CONTROL

VIDEO CONFERENCING

VISUALIZER

WIRELESS PRESENTER

ACCESSORIES

AV MEDIA PTE LTD

CORPORATE
profile

AV Media is a local market leader in providing Audio Visual Solutions for the Educational, Corporate and Business entities in Singapore.

Established in 1992, we have since led the market in Audio Visual Solutions, consultancy and design.

Spearheaded by dynamic leadership, integrity and ethics, we are the preferred partner for MOE schools and local corporate companies.

Our leadership and service-oriented attitudes are surpassed by none. Our 60 committed employees are dedicated to keep this high quality of service for our clients, taking pride in our work and strive to stay the best.

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VISION statement

Since our inception 19 years ago in 1992, we pride ourselves in;

- ↘ Delivering total and integrated AV solutions for our clients;
- ↘ Providing reliable & quality products, as well as services;
- ↘ Ensure high and efficient standards of performance from our teams and our recommended solutions;
- ↘ Ensure customer satisfaction for continued partnerships;
- ↘ Ethical and professional business practices;
- ↘ Innovation ahead of market trends.

“We ensure our clients’ needs are met with maximum satisfaction”

Sunny Tan
Managing Director

AV MEDIA PTE LTD

VOICE
ENHANCEMENT
SYSTEM

Panasonic
ideas for life

Infrared
Wireless Microphone
System

For More Flexible Microphone Use and Superior Privacy, plus High Quality Sound.

Either of two types of microphones is selectable ---- Pendant type and Hand held type.

Both are ideal for extended use, and will change your teaching style more effectively. It creates an environment where everyone can concentrate.

FEATURES

- High Sound Quality for Speech Use
- Hands-Free Operation
- Remote Volume Controls on the Pendant Microphone
- Light Weight Handheld Microphone
- Accommodates Four(4)-Microphone Simultaneously
- Microphone Aux input Allows Local Playback from External Sources
- Smart Circuitry for Batteries

Pendant Type Microphone **WX-LT350**

If both hands free is what you need, this microphone is perfect. Infrared emitter, microphone and processor are combined in this all-in-one unit, for revolutionary, cable-free convenience.

Handheld Microphone **WX-LT150**

Light weight and easy to use, the WX-LT150 handheld microphone is a basic handheld-type wireless microphone created for ease-of-use when delivering a speech. It is also convenient when passing the microphone back and forth while asking and answering questions.

WX-LR20

WX-LR100/A (1ch, 2ch)

WX-LR50

WX-LR100/B (3ch, 4ch)

Infrared Receiver / Amplifier

2ch tuner built-in type 20/50 W amplifier. 2 line input and 4 speaker connection (WX-LR20) and 4 line input and 8 speaker connection (WX-LR50). Connection with WX-LR100 allows simultaneous 4 microphone use,

Infrared Receiver

Built-in 2ch tuner. 2 receivers connection allows simultaneous 4 microphone use.

Infrared Sensor **WX-LS100**

A single Infrared Sensor cover 360 horizontal degrees.

Infrared sensor coupler
WX-LC10

Charger Stand
WX-LZ10

Battery Charger
WX-LZ150

IR Wireless Microphone Systems
Bring l ssroom

VOICE ENHANCEMENT SYSTEM

Handheld Microphone -IR Transmission

IWH-401

The handheld "pass-around" microphone to match the IWM-402 and our Infra red Classroom 220+ soundfield system.

Infra Red IR emitter and integrated Handheld microphone

Pendant Microphone Transmitter -IR Transmission

IWM-402

Lanyard / pendant style microphone for our Classroom 220+ Soundfield system. This stylish microphone hangs around the teacher's neck on a lanyard and transmits the voice clearly to the soundfield amplifier. (Only one internal rechargeable AA battery means this is light and comfortable to wear)

Hangs around your neck IR emitter and integrated microphone

Charger Station for IWM402/401 -IR Microphones

HC-40

Charging station for Handheld and Beltpack Infrared microphone transmitters. Just drop the mic in at the end of the day.

Suits both Handheld and Beltpack microphones

Dual Channel InfraRed Receiver System

IWR-220

Half rack size Infrared microphone receiver. Connection ports for up to two optional IR receivers for extended coverage.

Connects to your existing amplifier

Voice Enhancement Systems

Our Voice Enhancement systems are easy to install and provide high quality sound in the classroom, feature IR Technology and rechargeable microphones

Classroom 220+ Features

- State of the art Infrared wireless technology---Eavesdrop free, Interference free
- Perfect for adjacent / multi-room applications
- Two microphones can operate simultaneously (dual channel)
- Rechargeable---drop the mic into the dedicated charger
- Tone control to adjust the frequency response
- Output for additional speakers
- Line-out for connecting extra amplifiers and speakers
- Line-In for other sound devices such as computers and MP3 players
- Volume control on beltpack serves as remote volume control
- Power saving. Automatically goes to “sleep” when the mics are off
- Easy to install and use. Comes supplied complete with wall mount bracket power supply, and rechargeable batteries

CHIAYO

VOICE ENHANCEMENT SYSTEM

Linkx Infrared microphone system, an ideal alternative to radio (RF) wireless microphone system, provides secure wireless communication and solution to the ever shrinking frequency availability problem. Applying creative and revolutionary new state-of-the-art infrared light transmission technology, we offer solid reception and sound quality which is suitable for speaking and recreational singing applications.

Linkx Microphone systems provide a cost-effective sound and voice reinforcement; the superior frequency response and dynamic range suits in any classroom or teaching space.

Our systems are ideal for meeting room in corporate, classroom in educational, church/health club in community, court / military conference room in government facility, Karaoke house in entertainment, and other medium sized arena application.

Linkx
Infrared Innovator

Infrared
Microphone System mini

Compact & Lightweight

VOICE ENHANCEMENT SYSTEM

Single Channel Infrared Wireless Microphone System

IR-188

IR-188, a single channel receiver for use with one infrared wireless microphone and provides one auxiliary input for a line level program input. The output could be either Line level Balance or Mic level Unbalance. An excellent addition to an existing sound system to extend its use for voice reinforcement. Compact size, wall or shelf mountable, and low in cost.

- Trouble-free infrared wireless communication is free from outside interference, A perfect solution for same area multi spaces usage.E.g.: KTV boxes, classrooms,court rooms, secure classified briefing areas and etc
- Single channel infrared microphone system for simple operation
- Infrared receiving system with quartz-locked fixed frequency
- Auxiliary audio line input for connectivity to other media such as Computer, TV / VCR, CD / DVD, MP3 and otherauxiliary devices
- Balanced (3-pin Poenix), Unbalanced (RCA)
- 2 External Sensor Inputs extend receiver's operating distance
- Offering wall bracket for simple and speedy installation
- RoHS compliance

Ceiling Sensor

IRS-60

- Reception area: 232m^2 / 2500ft^2
- Operating range: 20m line-of-sight
- LED Power Indicator
- Phantom Powered by Receiver / Amplifier
- 15m cable. RCA type
- Ceiling mount rack

Wall Sensor

IRS-20

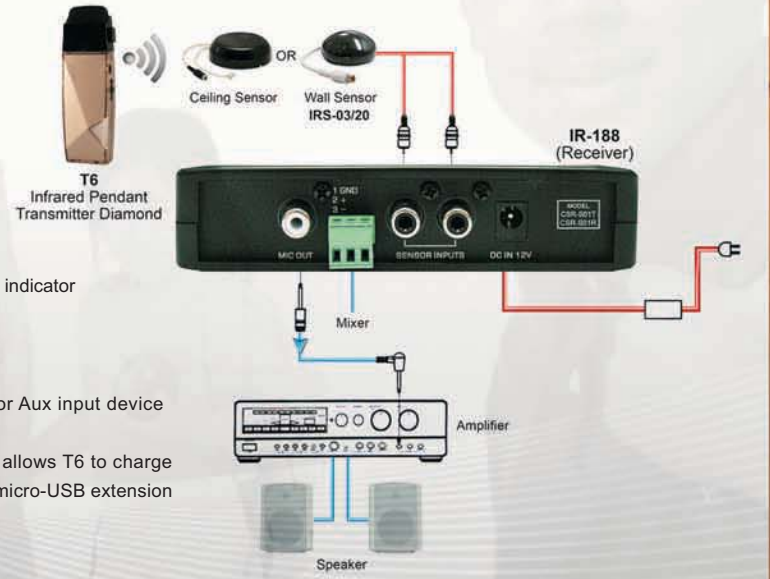
- Operating range: 20m line of sight
- LED Power Indicator
- Phantom Powered by Receiver
- 5m or 10m cable RCA type
- Wall mount rack

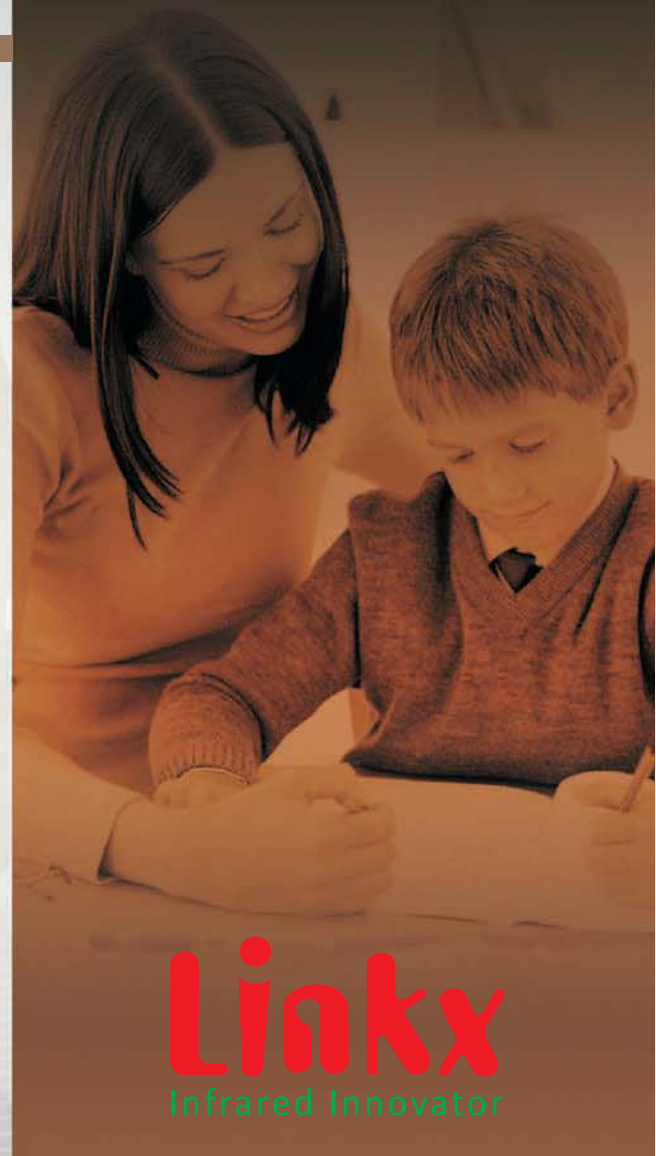
Infrared Microphone System mini

Infrared Pendant Transmitter Diamond

Diamond T6

- Extremely lightweight, only 1.4oz with battery
- Detachable clip and safety breakaway lanyard
- Push on/off power button with functional LED battery level indicator
- Three levels self volume adjustment, high-mid-low switch
- Hidden channel A-1, B-2, B (Push to talk) -3 selector
- External Auxiliary Input Jack (3.5mm)
- Functional control switch-mute, volume up and down for Aux input device
- Li- Polymer Battery
- Micro-USB receptacles and convenience charger solution, allows T6 to charge from laptop pc or AC outlet by the accompanied USB to micro-USB extension cord and power adaptor





Linkx
Infrared Innovator

WIRELESS
Microphone System

Audio-Technica's 2000 Series is a 10-channel frequency-agile UHF wireless system designed to suit a variety of applications, including MI/live performance, fixed installation, public address, A/V rental houses and places of worship. It offers all the advantages of a high-quality, professional wireless system at an extremely affordable price. New professional features include two available frequency bands and switchable antenna power.

audio-technica®

Experience More **Connection**

Frequency-agile True Diversity
Wireless Systems

Experience More .:
CONNECTION :.

Frequency-agile
True Diversity Wireless Systems

2000 Series

Audio-Technica's upgraded 2000 Series wireless systems take care of you on stage. The setup is easy and the sound is clear, so you can focus all your energy where it belongs. Forget about its 10 compatible channels, two available frequency bands, Tone Lock™ squelch, True Diversity operation, & new switchable antenna power. And connect with your audience. Wherever your love for performance leads you, experience more.

- Clear sound quality and rock-solid, dependable performance
- Automatic frequency scanning
- 10 compatible user-switchable channels in one of two UHF frequency ranges
- Antenna power available for powered antennas & other in-line RF devices
- True Diversity operation selects the better signal from the two receiver sections, reducing dropouts
- Tone Lock™ tone squelch system fights interference
- Rugged metal half-rack receiver with soft-touch controls and LCD display
- Balanced XLR and unbalanced 1/4" output jacks enable use with a wide variety of audio gear
- Switchable transmitter power output with high and low settings offered
- Includes rack-mount kit and detachable UHF antennas
- Ground-lift switch helps eliminate audible hum caused by ground loops between the sound system and receiver

Wireless Systems

U857Q/U857QL Cardioid Condenser Quick-Mount Gooseneck Microphones

The U857Q stands 14.37" (365.0 mm) from the table or podium; it is also available in a 18.94" (481.0 mm) version as U857QL. The two models are identical in all other respects. The U857Q requires 11V to 52V phantom power for operation. Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" – positive acoustic pressure produces positive voltage at Pin 2.

An integral 80 Hz high-pass UniSteep® filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations. Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110°F (43°C) for extended periods. Extremely high humidity should also be avoided.

- sound reinforcement, professional recording and broadcasting
- Superior off-axis rejection for maximum gain before feedback
- UniGuard™ RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI)
- Easy-to-adjust, rugged, small-diameter, alternating gooseneck with virtually no "memory" permits quick positioning into desired shape
- UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality
- Self-contained electronics eliminate need for external power module
- Accepts interchangeable elements to permit angle of acceptance from 90° to 360°
- Two-stage foam windscreen yields dramatically improved resistance to P-pops and other breath blasts
- Quick-mount design with 3-pin XLRM-type connector insert at base plugs into any standard XLRF-type surface or cable connector
- Included shock mount attenuates noise, shock and vibration transmitted through the mounting surface

audio-technica®

WIRELESS
Microphone System

Excellent sound, high flexibility and reliability even under toughest conditions on stage.

SENNHEISER

Wireless **Microphone** System

Handheld Transmitter

You Know You Can
Vocal Set 100 Series

ew 135 / 145 / 165 G3

Gone are the days when a singer had to shout into the microphone to be heard over the drums and instruments.

The vocal set of the 100 series is absolutely penetrative, placing every lead singer exactly where he is supposed to be: right in front! In the process, the microphone delivers the full, firstrate live sound that Sennheiser is known for.

You can choose from three dynamic microphone heads with cardioid or supercardioid pick-up patterns from the renowned wired evolution 800 microphone Series.

- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Wireless microphone with a quick-change microphone head from the e 800 Series
- Large range of replaceable microphone heads from the successful evolution Series
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank management with up to 12 compatible frequencies per bank
- **NEW:** 42 MHz bandwidth → 1680 switchable frequencies
- **NEW:** Increased range for audio sensitivity
- **NEW:** Easy-to-read illuminated dot matrix display
- **NEW:** 4-level charge indicator for transmitter battery
- **NEW:** More control options (menu)
- **NEW:** Enhanced AF frequency range
- **NEW:** Soundcheck mode
- **NEW:** Integrated equalizer
- **NEW:** Contacts for recharging the BA 2015 accupack directly in the transmitter
- 2 AA batteries for more than 8 hours of use
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- High RF output power for large range
- Suitable for 19" rack mounting (1 U)

You Know You Can
Presentation Set 100 Series

ew 122 G3

The presentation set offers a professional quality standard that has proved itself in TV studios and on large stages alike.

For conference facilitations and presentations, the lecturer can also be heard well, even in the very last row, without having to speak louder.

The small clip-on microphone is nearly invisible. Once attached to the flexible bodypack transmitter, the cable disappears discreetly under clothing.

- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Programmable MUTE switch
- **NEW:** Wireless synchronization of transmitters via infrared interface
- **NEW:** Enhanced frequency bank management with up to 12 compatible frequencies per bank
- **NEW:** 42 MHz bandwidth → 1680 switchable frequencies
- **NEW:** Increased range for audio sensitivity
- **NEW:** Easy-to-read illuminated dot matrix display
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- High RF output power for large range
- Suitable for 19" rack mounting (1 U)

evolution wireless G3

Reliability and outstanding Sound Quality

SENNHEISER

AUDIO SYSTEM

Loudspeaker

Power Amplifier

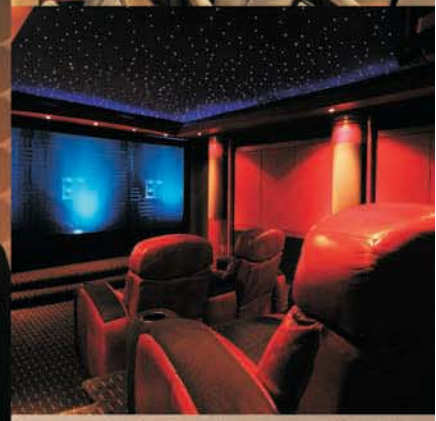
Processor

Commercially-oriented Yamaha acoustic instruments continue to receive high acclaim from around the world through such awards as the Technical Grammy Award, a special award of distinction, received in February 2007. The Yamaha Commercial Audio and Professional Audio divisions are known throughout the world as solution providers for the sound industry. Their lineups include many world-standard mixer models, signal processors employing high level DSP technology, power upgrades based on world-class energy-efficient drive technology, and an extensive range of speakers suitable for everything from production to professional audio.

YAMAHA

Audio/Professional Audio

divisions are known throughout the world as solution providers for the sound industry.



The Quest for the Best in Pro Sound...

Installation Series
Installation Loudspeakers

The Installation Series of Uni-phase speakers allow for hassle-free tuning by aligning the characteristics of the speakers as close as possible within the series (family sound).

FEATURES

- Ideal for small to medium-scale installations.
- Uniform phase response throughout the entire series.
- Models include 3-way, 2-way, large, small, high-power, medium-power, and other variations.
- A wide selection of dispersion characteristics for long-range, short-range, and long/short-range use.
- A range of standard U-bracket and array-frame hardware available for maximum installation convenience and efficiency.
- Switchable single-amp and bi-amp drive modes. (bi-amp and tri-amp modes for 3-way models)

Robust Power Output, Superior Audio Quality, and Efficient Operation

Programmable, Networkable Mixing Engines for a Range of Audio Processing Applications

P2500S, P Series Power Amplifier

Versatile I/O and Yamaha Speaker Processing in power amplifiers that deliver high performance as well as economy.

FEATURES

- Big Power with Outstanding Efficiency
- The Perfect Match for Your Club Speakers
- Light Weight for Easy Transport and Setup
- Versatile Connectivity
- EEEngine (Energy Efficient Engine)
- YS Processing (Yamaha Speaker Processing)

DME64N, DME24N DSP Processors

The DME Series DSP engine for networks enables customization via a graphic interface, offering a multitude of processing functions.

FEATURES

- DSP Power that Rivals Advanced Digital Mixers
- 24-bit 96-kHz Processing and Circuitry Designed for Superior Sound
- Exceptional I/O Flexibility and expandability — Cascade Up to 8 DME64N Units for 512 Inputs and 512 Outputs
- Control Integration with the PM5D Digital Mixing Console
- Eight Analog Inputs and Outputs on the DME24N
- CobraNet™ Connectivity with Optional MY16-CII Card
- Ethernet Control
- GPI, RS232C/RS422, USB, and MIDI Interfaces
- Large LCD Display with Comprehensive Panel Controls
- Scene and Function Names in 5 Languages

Ready to perform wherever you go!

YAMAHA

NETWORK
DIGITAL
Signage Solution

Shop Promotion

School Information Platform

Hotel Event Announcement

Restaurant Digital Menu Board

CAYIN

Network Digital Signage Solution

Promote ● Inform ● Educate ● Entertain

Build your own digital Out-Of-Home network

SMP-WEBDUO Dual Display

Dual Display Web-Based Digital Signage Media Player

MULTIMEDIA PRESENTATION

- Web-based presentation; support to playback 1080p Full HD video, Flash® animation, HTML web page, image, text, two videos, and even live video, while incorporated with USB Camera (UVC compatible) or CMS server.
- Easily extend to an interactive platform incorporated with HID compliance touch screen, keyboard, or mouse device. Please check CAYIN's website for verified touch panels.
- Possess great flexibility to integrate with existing network facilities and databases.

Web-based Digital Signage Player (SMP-WEB Series)

This series is designed for advanced and interactive applications via HTML, Flash, etc. It is the best choice for VARs (Value-added Reseller) or all users who have HTML editing skills or are proficient in developing web applications.

SMP-WEBDUO

Dual Display Web-based Digital Signage Player

- Full HD 1080p video, dual display, DVI, 2/4 video areas, portrait mode

SMP-WEB4

Web-Based Digital Signage Player

- Fanless design, HD 720p video, AV-in, DVI, portrait mode

SMP-WEBPLUS

Web-Based Digital Signage Player

- HD 720p video, 2 video areas, portrait mode

Zone-Type Digital Signage Player (SMP-PRO Series)

This series is designed for applications which require displaying video, graphic, ticker, and clock. By using CAYIN Skin Editor, an intuitive, simple drag-and-drop tool, users can easily define the size and location of each zone.

SMP-PRO4

- 6 zones, fanless design, HD 720p video, AV-in, DVI, portrait mode

SMP-PROPLUS

- 7 zones, HD 720p video, 2 video zones, portrait mode

Content Management Server (CMS Series)

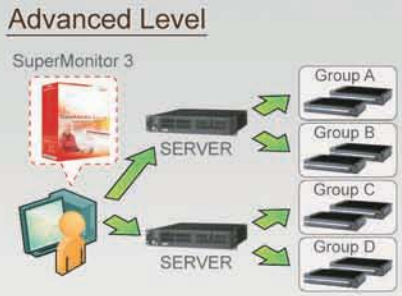
CMS is the dedicated digital signage server for efficient media player management, content update, central scheduling, streaming video broadcast, and access control for multiple users.

CMS-MINI

- Max. 1 video streaming channel, max. 30 accounts, CPU 1G Hz, 100Mbps Ethernet

CMS-PERFORMANCE

- Max. 8 video streaming channels, unlimited user account, CPU 2.4G Hz, 1G bps Ethernet



Advanced Management Software

SuperReporter 2

- SuperReporter 2, the Windows®-based package software, helps administrators to generate playback and system status reports and diagrams for larger-scale management.

SuperMonitor 3

- SuperMonitor 3, the Windows®-based package software, assists administrators in monitoring the functioning status of digital signage networks and manages multiple SMP players and CMS servers simultaneously.

Application Software

X-POST

Tailored Software for Diversified Applications

- xPost, the web-based software especially designed for various applications, features for its pre-designed templates and an easy-to-use platform for instant data entry. It further extends the usage of CAYIN SMP-WEB series players to meet users' requirements of frequent daily maintenance. Currently, xPost includes three main modules: **lobbyPost**, **meetingPost**, and **wayfinderPost**.

Dynamic Digital Signage Solution

CAYIN Technology provides **Dynamic Digital Signage solutions**, including media players, servers, and software, specifically designed for the OOH (out-of-home) digital media network. Digital signage, also known as digital sign, digital place-based media, digital screen network, narrowcasting, and electronic billboards, is a multimedia, or even interactive platform that conveys pertinent information to targeted customers in a variety of industries, such as **corporate, education, museum, retail, hotel, government, healthcare, and transportation.**

Height Adjustable System
for Interactive Whiteboards

ADD HEIGHT ADJUSTIBILITY
... to your interactive whiteboard !

- Easy and variable height adjustable system for use by **teacher** and **student**
- Increases interaction and engages students in front of the board
- Available as a wall mount or mobile stand mount solution
- Compatible with most **boards** and **projectors**

CONEN®
Products Germany

A perfect combination of traditional and today's methods

Today`s classrooms offer a broad spectrum of teaching methods, from the traditional chalkboard to the new interactive whiteboard. Methods that are often used side by side. The Conen mount allows for these methods to be integrated. By adding the optional, dual-sided, magnetic whiteboard or magnetic chalkboard-surfaced „wings" to the interactive whiteboard, you can make notes on the wings while running the presentation on the interactive board.

Position your board anywhere or share across classrooms

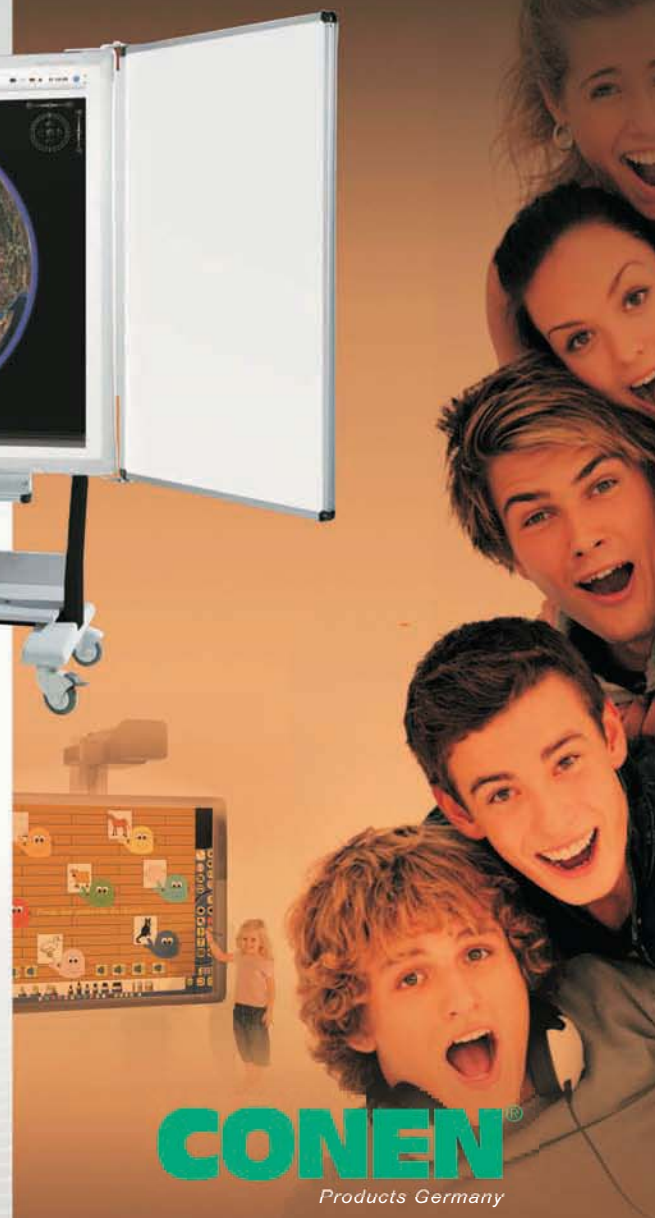
Height adjustable boards; the boards of the future

The additional advantage of the wings is that when closed, they cover and protect the interactive board... And are still available and useful as whiteboard writing surfaces.

up down effect

Features	Benefits
Height adjustable	■ 18" of vertical range to accommodate people of all posture
Compatible with your board & projector	■ Designed for use with most boards, sizes 77" to 95" ■ A variety of projector arms accommodates most of today's (ultra) short throw projectors
Easy installation & adjustment	■ Quick and easy to install ■ Manually operated system, no electricity needed ■ Spring mechanism ensures easy adjustment for the weight of the board/projector combination you choose.
Quick and silent operation	■ `On-the-fly` finger touch, manual, height adjustment. ■ No motors or weights means no noise interruption or waiting while height adjusting.
Additional writing space	■ Optional, dual-sided magnetic whiteboard writing surfaces available to mount to the sides of the system
Increase mobility	■ Optional Mobile Stand available to create a height adjustable and mobile interactive system ■ Fits through standard doorway when board + projector are locked in the lowest position ■ Sturdy wheelframe with large castors for easy movement. Wide wheelbase affords better wheelchair accessibility

Height
adjustable boards;
the boards of the future



CONEN®
Products Germany

MULTI-TOUCH
Interactive Whiteboard

... create a new type of lesson with the elite Panaboard!

UB-T880 (77-inch)

UB-T880W (86-inch)

Panasonic
ideas for life

elite Panaboard

Touch the board!
Touch your student' hearts!

The elite Panaboard is an advanced educational tool that lets you grab students' attention. It makes it easy to create effective, eye-catching teaching materials and it promotes a style of active, visual-based teaching and learning that makes the classroom fun for both teacher and students. By connecting a PC with Internet access and a projector, you can bring the huge amount of information available on the Web or any information on your PC right into your classroom.

Panasonic and the elite Panaboard open the door to a new kind of active, visual-based education.

Wireless Kit (UE-608040)*

* When using a large amount of data, like when playing motion images with audio, the sound or display may be interrupted.

elite Panaboard (UB-T880W) | (UB-T880)

- **Large screen for high-impact lessons**
- **86-inch (UB-T880W) / 77-inch (UB-T880)**
- **Both finger-touch and Electronic Pen compatible**
- **Multi touch operation**
- **Simultaneous operation of up to three points***
- **Built-in stereo speakers for effective lessons**
- **Optional Wireless Kit**
- **2 USB hub ports**

Enhance Your Lessons with elite Panaboard

Putting the Internet to Work in Social Studies

Using Spreadsheets for Math Lessons

Easy-to-Understand Biology Lesson Using Motion Images

elite Panaboard
Software

Panaboard has a wide range of tools, ranging from basic pens and erasers to special-effect functions, that make class more exciting and enjoyable.

Operate with a Finger or the Electronic Pen
- Seamless "Drawing and Controlling"

Simultaneous Operation by Up to Three Students
- Get Your Students Involved

*When using Windows 7 and applications that support Multi Touch.

Multi Touch Operation
- Dynamic Image Control

Images can be easily moved, scaled and rotated with your fingers. This kind of free image manipulation will also keep students from getting bored.

Multifunctional Electronic Pen
- Streamline Your Lessons

You can use the Electronic Pen to switch between four marker colours and the eraser tool, and do things like remotely turn PowerPoint® pages. This helps to keep the students' attention because you don't need to stop the flow of the lesson.

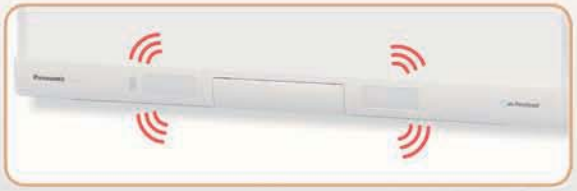
*Two or more Electronic Pens cannot be used simultaneously.
*The up and down buttons can be used in a range of approximately 10 m from the elite Panaboard (without obstructions).

Ink Note
- Easily Save Information Written on the Board

2 USB Hub Ports
- Make Your Lesson More Effective

Wireless Functions
- Easy Remote Control

With the optional Wireless Kit, there is no need for a cable to connect the computer and the board. This also allows more flexible classroom layouts.



Built-in Stereo Speakers
- Play Videos Complete with Sound

The elite Panaboard's built-in stereo speakers offer the versatility to share audio with your class. Videos with sound and the use of sound effects help to attract the students' attention and make your lessons more effective.

Select Function Menu
In addition to drawing tools, Panaboard has a variety of special-effect functions that attract students' attention, as well as recording functions.
Write or Draw More Information
Multi-page White Background
Up to 10 Pages
Diverse Applications
Screen Shade
Saving Lessons as Motion Images
Recorder
Other Main Functions

MULTIMEDIA RECORDING & STREAMING

Education
Training
Healthcare
Conferencing

Reach's modern recording and streaming capabilities caters for the needs of a new era and are especially beneficial to the educational industry, healthcare sector and corporate trainings sessions.

- Live streaming of audio, visual inputs and computer signals are clear, smooth, synchronous and isn't limited to any fixed locations.
- Recordings can be replayed anytime, anywhere.
- The IP based and user friendly interface allow virtually anyone to operate Reach with ease.
- Special hardware platform and embedded operation system implies high stability, reliability and easy maintenance.

Reach is constantly innovating to enable its users to maximise their potential and profits by enpowering them be more competitive in the global economy.

View Multiple Inputs from One Screen

It's REACH

That Meets All Your Demands For

Recording and Streaming

Media Casper **CL200**

- **Live streaming**
  Deliver up to 5 unicast streams to clients in sub-second, support multicast
- **Synchronously recording**
  Record audio, video and VGA directly on the application
- **Play on-demand**
  5 concurrent users for video on demand
- **File archive**
  Media file save in Media Casper, available to transfer files to FTP server
- **Separated stream layout**
  Separately enlarge video or presentation window of playing layout

Media Casper **CL210**

- **Synchronously recording**
  Record audio, video and VGA directly on the application
- **Live streaming and play on-demand**
  5 concurrent users for live stream and play on-demand
- **File archive**
  Media file save in Media Casper
- **Separated stream layout**
  Separately enlarge video or presentation window of playing layout
- **Local playback**
  Local playback directly to TV

Complete **signal capturing, recording** and **live streaming** device

MRS Server

Media Casper **CL1100**

- **Live streaming**
  Deliver up to 5 unicast streams to clients in sub-second, support multicast
- **Synchronously recording**
  Record audio, video and VGA directly on the application
- **Play on-demand**
  5 concurrent users for video on demand
- **File archive**
  Media file save in Media Casper, available to transfer files to FTP server
- **Push**
  Support push media stream to Windows Media Server

Media Casper **CL1210**

- **Synchronously recording**
  Record audio, video and VGA directly on the application
- **Live streaming and play on-demand**
  5 concurrent users for live stream and play on-demand
- **File archive**
  Media file save in Media Casper
- **Separated stream layout**
  Separately enlarge video or presentation window of playing layout
- **Local playback**
  Local playback directly to TV

MRS Server

REACH MRS Server is part of MRS System, receiving streams from encoders, is responsible for recording and streaming functions. Adapting special hardware and embedded system, makes it stable, efficient and secure.

MRS Server is a powerful equipment, it acts as a central part of the MRS System. Functions of this equipment include live streaming, play on-demand, file archive, synchronously recording, user management. With user friendly web page interface and compatibility with Central Control System, it's easy to configure and use.

- **Live streaming**
  Deliver up to 200 unicast live streams to clients in sub-second, support multicast
- **Play on-demand**
  Support up 200 concurrent users for video on-demand
- **Synchronously recoding**
  Record audio, and up to 6 video/VGA signals synchronously in one event
- **File archive**
  Media file save in MRS Server with searchable list, available to transfer files to other server with FTP function
- **User management**
  Users are managed by groups and given different authorities
- **Online Editing**
  Media files online editing (some models)

Media Master

- **4 HD 6 SD videos**
  Maximum 4 HD video/VGA or 6 SD video signal processing
- **Live streaming**
  Deliver to 10 unicast streams to clients in sub-second, support multicast
- **Synchronously recording**
  Record audio, video and VGA directly on the application
- **Play on-demand**
  10 concurrent users for video on demand
- **File archive**
  Media file save in Media Master, available to transfer files to FTP server
- **Local decoding** Playback locally (optional module)

SD Encoder **ENC110**

- **Encoding**
  Digitize video signal for delivery over IP network, with encoding of H.264
- **High quality pictures**
- 30 fps clear pictures encoding of video signal
- **Low Delay**
  Deliver video to clients in sub-second
- **Support camera remote control**

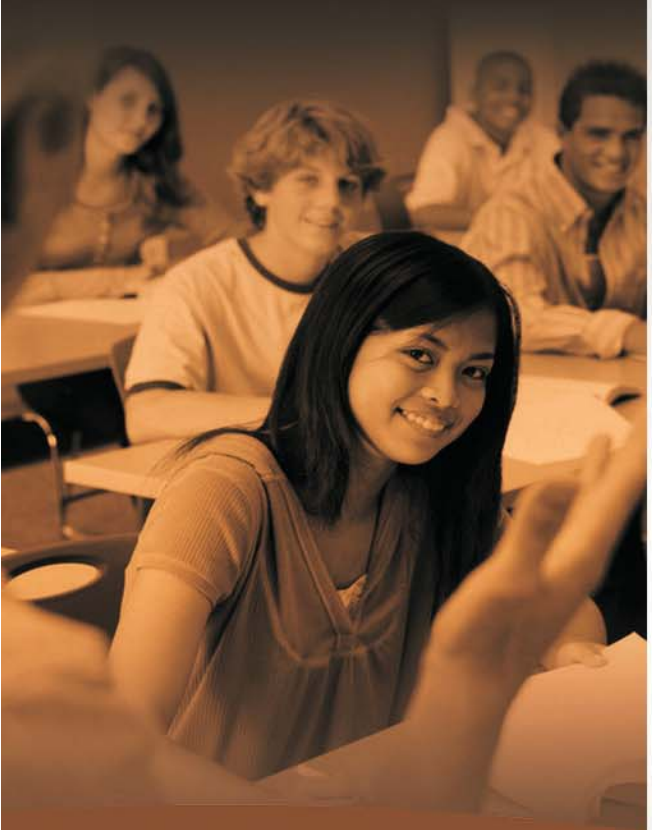
VGA Encoder **ENC120**

- **Encoding**
  Digitize VGA signal for delivery over IP network, with encoding of H.264
- **High quality pictures**
  30 fps encoding of maximum VGA signal 1400 x 1050
- **Low Delay**
  Deliver video to clients in sub-second
- **Snapshot index**
  Generate PowerPoint slides snapshot for media file index automatically

HD Encoder **ENC1200**

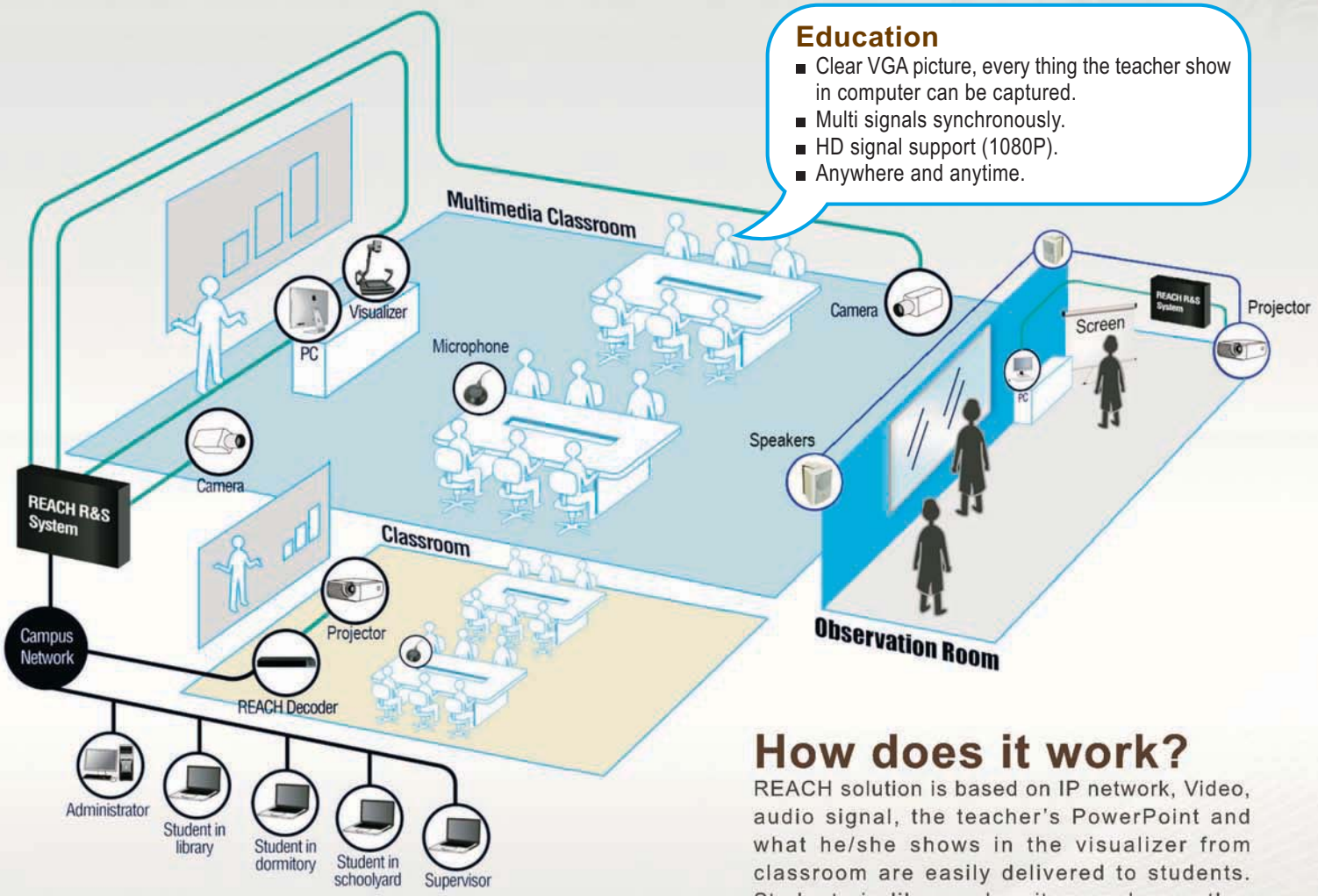
- **Encoding**
  Digitize HD video signal for delivery over IP network, with encoding of H.264
- **High quality pictures**
  Up to 60fps encoding of HD video signal 720P/1080i/1080P, or 30 fps VGA signal
- **Low Delay**
  Deliver signals to clients in sub-second
- **Support camera remote control**

REACH
(Education Solution)



Education

The limitation of space and time to present valuable lectures to more students is the main problem these days. The REACH recording and streaming system not only can live-stream the overall audio, video media and computer desktop information but also can make, recordings of brilliant performances for future VOD service anywhere, anytime.



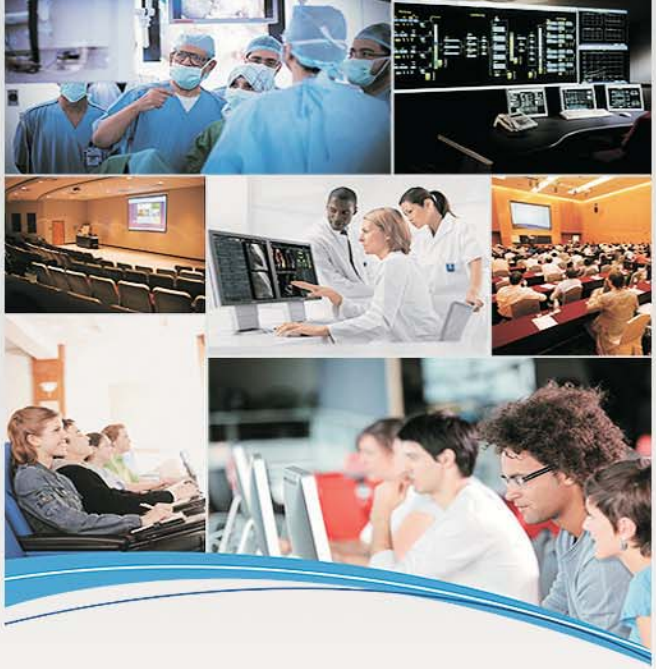
The advantages of this system

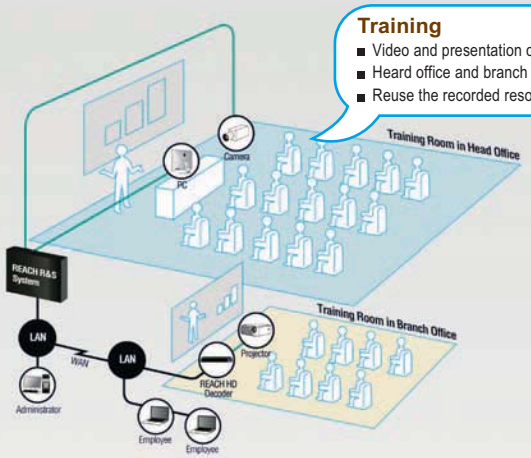
1. Record and share the lesson
2. Useful for stimulating the student"s interest in learning
3. Improves efficiency and saves cost
4. Portable

How does it work?

REACH solution is based on IP network, Video, audio signal, the teacher's PowerPoint and what he/she shows in the visualizer from classroom are easily delivered to students. Students in library, dormitory and any other place with campus network, can catch the class via campus network live. The recorded class will be saved in REACH server and can be automatically transferred to school's resource server for students play on demand.

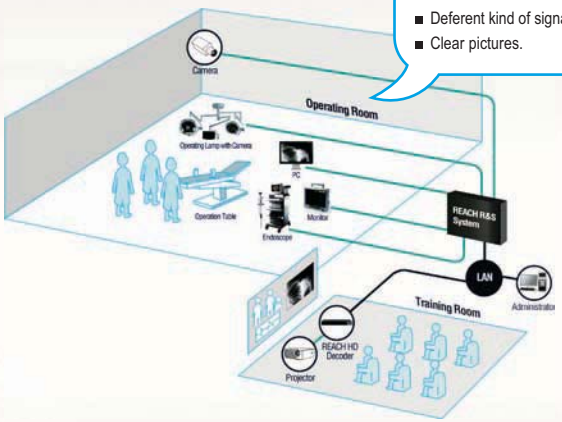
REACH
(Healthcare Solution)





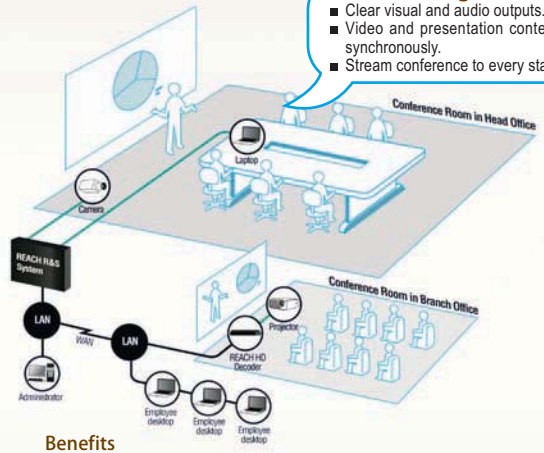
Training
- Video and presentation content synchronously.
- Heard office and branch office together.
- Reuse the recorded resources.

Benefits
1. Save the companies'cost for training.
2. Help companies improve efficiency.
3. Enhance the interaction and participation among the employees, make the company more vibrant.



Healthcare
- Deferent kind of signals from medical equipment.
- Clear pictures.

Benefits
1. Take records of the whole operation and diagnoses scene.
2. Help the doctors conclude a more precise diagnosed result for the patients.
3. Share the media information by more staff and more occasions.
4. Promote the medical level and service.



Conferencing
- Clear visual and audio outputs.
- Video and presentation contents streamed synchronously.
- Stream conference to every staff's computer.

Benefits
1. Solve logistical difficulties.
2. Record and save important conference information.

HD Camera **HD700**

- **Capture Scenes in High-Definition**

This High-Definition, Pan/Tile/Zoom(PTZ) HD700 Type Colour Video Camera Brings the HD Scenes to your life. This unique camera is equipped with a DVI-I interface designed to maximize high video quality displays and is capable of displaying both digital and analog signals (output is selectable from Y/Pb/Pr, HDMI, DVI-D, VGA, RGBHV and HD SDI etc.).

SD Camera **SD300**

- **Capture Scenes with good quality**

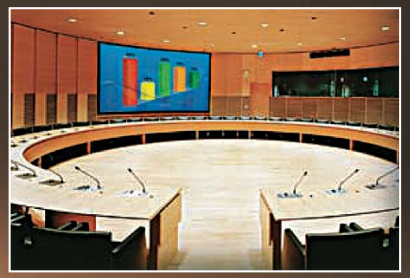
This sd, Pan/Tile/Zoom(PTZ) colour video camera brings the good qualityscenes to your life, captures good quality pictures and transfers real scenes for you.

REACH

PROFESSIONAL / BUSINESS
Projector

Regardless of home or business use, superior image quality, innovative design and ease-of-use separates our range of Panasonic projectors from all others.

Incredible Brightness For Clear, Large Screen image



Panasonic
ideas for life

PROFESSIONAL / BUSINESS : Large-Venue DLP™ Based

Panasonic ideas for life

High Durability for Long-Lasting Brightness

A Bright 10,600 lm* in a Compact Body

PT-**DZ12000**	PT-**D12000**	PT-**DZ110X**	PT-**DS100X**	PT-**DW90X**
■ **12,000 lm WUXGA**	■ **12,000 lm SXGA+**	■ **10,600 lm WUXGA (1920 x 1200)**	■ **10,600 lm SXGA+ (1400 x 1050)**	■ **9,600 lm WXGA (1366 x 768)**
■ Auto Cleaning Robot (ACR)	■ Auto Cleaning Robot (ACR)	■ HD/SD-SDI input	■ HD/SD-SDI input	
■ Four-Lamp Optical System	■ Four-Lamp Optical System	■ Geometric adjustment	■ Geometric adjustment	

MAIN FEATURE

- Outstanding brightness and high-resolution WUXGA images (PT-DZ12000).
- The 4-lamp optical, liquid cooling system enables continuous 24-hour operation.
- A wealth of functions provide versatile images to match surrounding conditions.

- A compact body with 10,600 lm* of brightness and high picture quality.
  * The PT-DW90X has a brightness of 9,600 lumens.
- The Auto Cleaning Filter eliminates filter replacements for about 10,000 hours.
- Multi-Unit Brightness Control corrects the brightness fluctuations in the individual projectors of a multi-screen system.

PROFESSIONAL / BUSINESS : Installation DLP™ Based

Capturing attention with brilliant pictures and diverse image-rendering capabilities

Visual Satisfaction, Dependable Solutions.

PT-**DZ6710 / DZ6700**	PT-**DW6300S / D6000S**	PT-**D5000S**	PT-**DZ570**	PT-**DW530**	PT-**DX500**
■ **6000 lm WUXGA**	■ **6000 lm WXGA (PT-DW6300S)**	■ **5,000 lm XGA**	■ **4000 lm WUXGA (1920 x 1200)**	■ **4000 lm WXGA (1280 x 800)**	■ **4500 lm XGA (024 x 768)**
■ HD/SD-SDI input	**6500 lm XGA (PT-D6000S)**	■ 1-chip DLP™ projector	■ 1-chip DLP™ projector	■ 1-chip DLP™ projector	■ 1-chip DLP™ projector
■ Geometric adjustment	■ 1-chip DLP™ projector		■ Waveform Monitor Function	■ Waveform Monitor Function	■ Waveform Monitor Function

MAIN FEATURE

- RGB Booster provides vivid color reproduction and high brightness.
- The Dual lamp system prevents image interruptions, while the Auto Cleaning Filter reduces filter maintenance hassles.
- Multi-screen support system seamlessly connects multiple screens.
- Geometric Adjustment for specially shaped screens (PT-DZ6710).

MAIN FEATURE

- RGB Booster provides vivid color reproduction and high brightness.
- A new cooling system with a dust-resistant design.
- Flexible installation is made possible by the H/V lens shift, a 2x zoom lens, and 360º angle setting.
- The optional Wireless Module enables wireless projection from multiple PCs.

High Reliability & Stability

A Host of Functions
to Assure Stable,
Long-Time Operation

A 3-chip DLP™ Projector with High Reliability and Excellent System Expandability

Panasonic's unique 4-lamp optical system gives the PT-DW100 a brightness of 10,000 lm and stable operation. The DLP™ system, which exhibits virtually no image degradation over time and a long list of unique Panasonic technologies provide outstanding images and solid reliability.

High brightness:
10,000 lumens
16,000 lm

High picture quality:
WXGA 1,366 x 768 pixels

Incredible Brightness & High Picture Quality
Panasonic Technologies Assure Spectacular Image Performance

PT-DW100

Large-Venue DLP™ Based

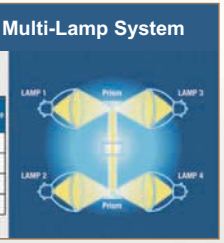
MAIN FEATURE

- Outstanding brightness and high-resolution WXGA images (1366 x 768).
- The 4-lamp optical, liquid cooling system enables continuous 24-hour operation.
- A wealth of functions for flexibly in projecting images onto multi- or varied-shape screens.

New AC Lamp and Multi-Lamp System

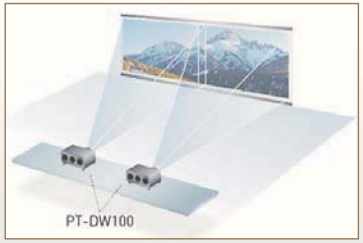
Lamp replacement cycle and brightness guidelines

Lamp mode	Light output (lumens)	Lamp replacement cycle (hours)
Four lamps	10,000	2,000
Three lamps	7,500	2,600
Two lamps	5,000	4,000
One lamp	2,500	8,000



High Reliability & Stability

Continuous 24-hour operation is enabled by the 4-lamp optical system and liquid cooling system.



Execellent System Functions

A wealth of functions provide versatile images to match surrounding conditions.

AUTO CLEANING ROBOT

Auto Cleaning Robot automatically cleans the air filter to help keep the projector running smoothly. When the projector is switched on, the robot uses a brush to clear away any dust adhering to the filter, helping to prevent clogs that can impair operation or cause malfunctions. The projector can be used for around 2,000 hours before the filter needs to be cleaned, making it a good choice for installation in tight spaces or for ceiling-mounted applications. Also, the Micro-Cut Air Filter traps particles as small as 10 microns. This greatly reduces the amount of dust entering the projector, helping maintain high brightness and stable operation.

Panasonic
ideas for life

A New Way to **Go Wireless**

with iPad/iPhone/iPod touch

Free App allows iOS devices to connect to projectors

The PT-FW430 and PT-FX400EA-S1 with optional ET-WM200 Wireless Module will allow wireless projection through the iPad, iPhone or iPod Touch, using a new free application **"Panasonic Wireless Projector for iOS"** which provides users in higher education, exhibitions and museums as well as conference environments with more flexibility.

PT-**FW430**EA | 3,500 lumens WXGA (1280 x 800)

- **Side-by-Side Function**
- **Abundant Connection Terminals, Including HDMI**
- Dust-Resistant Design and an Eco Filter that Needs No Replacement for 12,000 Hours
- Daylight View Premium for Better Colour Perception
- 6,000-Hour Lamp Replacement Cycle
- Eco Management Functions (Ecology-conscious Design)
- Wireless Function (Optional)

PT-**FX400EA**-S1

4,000 lumens | XGA (1024 x 768)

MAIN FEATURE

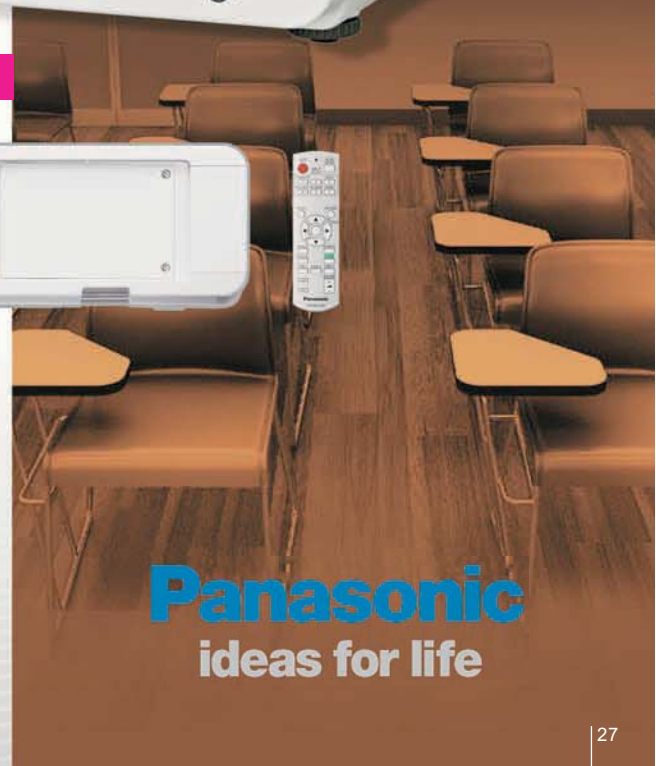
- **Abundant Connection Terminals, Including HDMI**
- Panasonic Wireless Projector for iOS
- Direct Power Off
- Eco Management Functions (Ecology-conscious Design)
- Dust-Resistant Design and an Eco Filter that Needs No Replacement for 12,000 Hours
- Daylight View Premium for Better Colour Perception
- 6,000-Hour Lamp Replacement Cycle
- Wireless Function (Optional)

The wireless module ET-WM200E mounted on the projector

The Eco Filter consists of two Micro Cut Filters (electrostatic filters), a pre-filter and a main filter, which use an ion effect to collect extremely small dust particles. The pre-filter has a honeycomb configuration and the main filter is pleated to achieve a large surface area that raises its dust collecting performance. Thanks to these features, the Eco Filter has a replacement cycle of 12,000 hours.

The optional Wireless Module ET-WM200E allows the PT-FW430 Series to provide wireless projection of the same images that are displayed on the PC screen.

Long-Lasting Brightness and Excellent Cost Saving



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Panasonic ideas for life

PT-**PTLB3**EA

3,200 lumens XGA

High Durability for Long-Lasting Brightness

MAIN FEATURE

- Intelligent Power Management function allows resistance to sudden voltage fluctuations.
- Mobile projector, but can also be used on a desktop or mounted to the ceiling.
- Setup is fast and easy thanks to features like Speed Start.
- Wired LAN connectivity enables remote projector operation and monitoring.
- Quiet 29 dB operation in Eco mode.
- Picture mode selections: Standard, Dynamic, Natural, Blackboard and Whiteboard

Superb Performance

With 3,200 lm of Brightness and a 5,000-Hour Lamp Replacement Cycle

Compact portable delivers 3,200 lm and sharp images

While the projector is lightweight, approximately 2.3 kg (5.07 lbs), it is easy to carry and can deliver brilliant presentations. With 3,200 lumens of brightness, the PT-LB3 can project large and clear images in brightly lit rooms.

5,000-hour* Lamp Replacement Cycle

Panasonic employs the new lamp drive system which enables a 5,000-hour* lamp replacement cycle. This technology helps reduce operating cost by providing longer usage between lamp replacements.

The Daylight View Basic Function

Panasonic's Daylight View Basic technology achieves clear images even in brightly lit rooms. A built-in sensor measures the ambient light, then adjusts the halftone color and brightness level according to the surrounding illumination.

Versatile Performance with Eco in Mind

An Ecological Design with a Reliable Dust-Resistant Structure and Low Standby Power Consumption of 0.9 W

Compact size of an A4 file and lightweight 2.3 kg

Compact portable delivers 3,200 lm and sharp images

PT-**LB2**EA

- **2,600 lm XGA**

MAIN FEATURE

- A 5,000-hour lamp replacement cycle saves operating costs.
- Intelligent Power Management function allows resistance to sudden voltage fluctuations.
- Mobile projector, but can also be used on a desktop or mounted to the ceiling.
- Setup is fast and easy thanks to features like Speed Start.

PT-**LB1**EA

- **2,200 lm XGA**

MAIN FEATURE

- A 5,000-hour lamp replacement cycle saves operating costs.
- Intelligent Power Management function allows resistance to sudden voltage fluctuations.
- Mobile projector, but can also be used on a desktop or mounted to the ceiling.
- Setup is fast and easy thanks to features like Speed Start.

PT-**LB90**NTEA / PT-**LB90**EA

- **3,500 lm XGA**

MAIN FEATURE

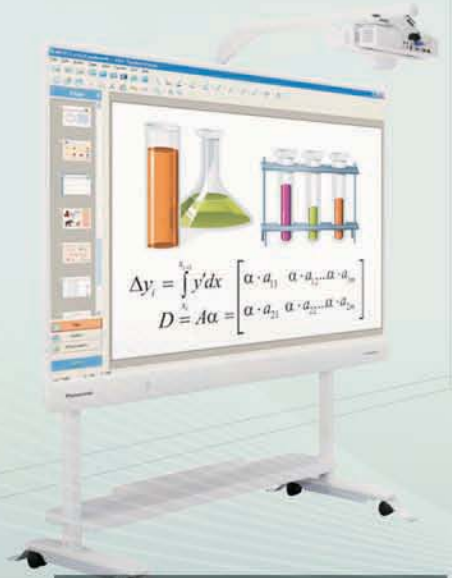
- Dust-resistant structure with a low standby power consumption of 0.9 W.
- Connecting the projector to a wireless LAN further boosts the layout flexibility for presentations.
- Wired LAN connection enables remote operation.
- Handy functions for a variety of applications.

Easy, Code-Range Projection for

Versatile Application

More Flexible Images with
a Short-Throw Projector

An Ideal Combination with
an Interactive Whiteboard

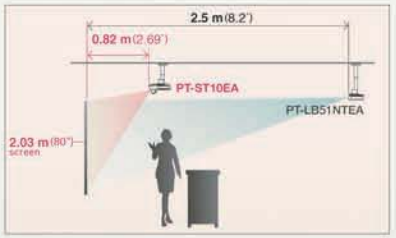

$\Delta y_i = \int_{x_i}^{x_{i+1}} y' dx$
$D = A\alpha = \begin{bmatrix} \alpha \cdot a_{11} & \alpha \cdot a_{12} \cdots \alpha \cdot a_{1n} \\ \alpha \cdot a_{21} & \alpha \cdot a_{22} \cdots \alpha \cdot a_{2n} \end{bmatrix}$

Combines with an Interactive Whiteboard for Even More Effective Use.

The PT-ST10EA mounts easily to Panasonic's elite Panaboard. With the Up/Down Stand Kit, the projector and elite Panaboard form a neat, integrated unit. It also makes it easy to adjust the height of the elite Panaboard and to move it as desired.

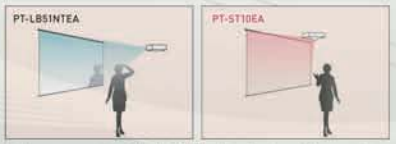
*An optional short-throw arm unit is required. See page A for compatible models and other details.

Project onto a Large, 2.03 m(80-Inch) Screen with a Projection Distance of 0.82 m(2.69').



The PT-ST10EA, which is equipped with the newly developed short-throw lens, lets you project images onto a large, 2.03 m(80-inch) screen from a distance of only 0.82 m(2.69'). This greatly increases the projector's range of use.

Fewer Shadows on the Screen. More Comfortable Presentations.



The close range projection of the PT-ST10EA reduces the chance of the presenter standing in front of the projection light and casting a shadow on the screen. Also, presentations are more comfortable because the presenter is not affected by the glare of the projection light.

PT-**ST10**

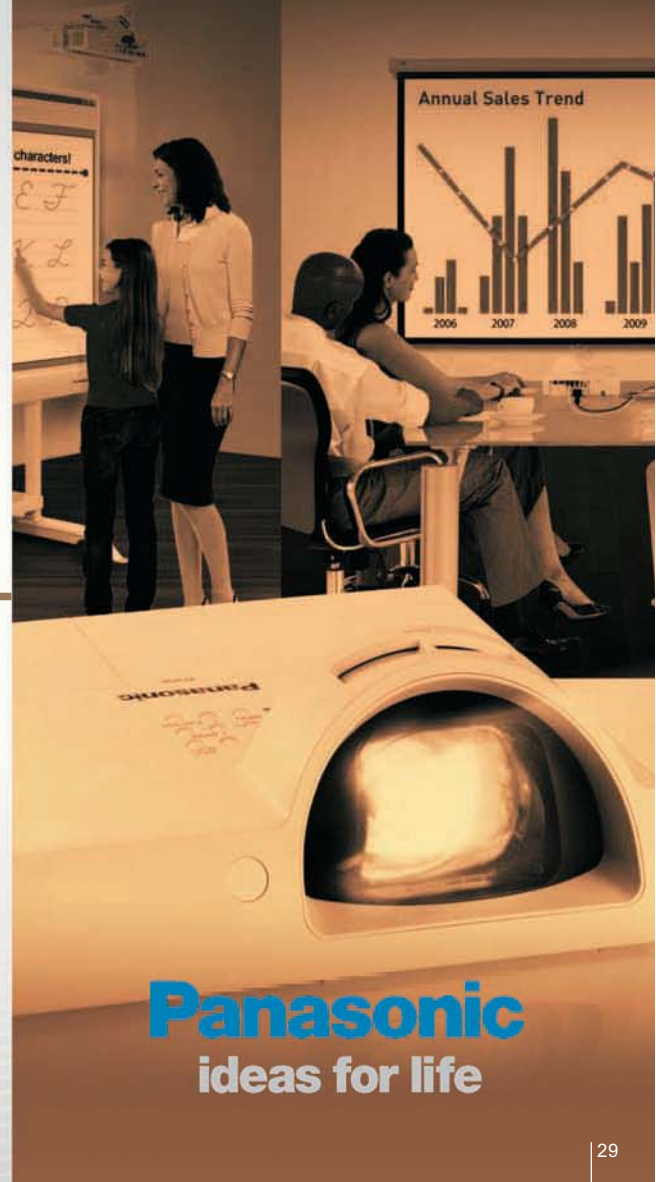
2,800 lumens XGA (1024 x 768)

Advantages of Short-Throw Projector
Larger Images from Shorter Distances. 0.82-m Projection Distance for 2.03m (80inch) Images. The PT-ST10, which is equipped with the newly developed short-throw lens, lets you project images onto a large, 80-inch screen from a distance of only 0.82 m(2.69'). This greatly increases the projector's range of use.

MAIN FEATURE

- High basic performance, including a 5,000-hour lamp replacement cycle.
- A wired LAN Network and other functions allow easy system integration.
- Features like Speed Start and Direct Power Off help to quickly set up and shut down.

An Ideal Combination with an Interactive Whiteboard



The Ultra Mobile, Ultra Bright Solution
for Busy Executives

Whether travelling on business or simply moving between meeting rooms, this ultra-mobile projector is the ideal choice for effective, stress-free presenting.

Designed with the mobile presenter in mind, this stylish projector weighs just 1.7kg with a height of 44mm – making it one of the flattest and lightest models in Epson's projector range. A high white and Colour Light Output (CLO) of 2,600 lumens combined with Epson's 3LCD technology provides outstanding picturequality and vivid natural colours even in full daylight. The projector's WXGA resolution offers full widescreen presenting.

Epson **EB-1760W**

MAIN FEATURE

- 3LCD Technology
- Extra-flat, ultra-light design
- 2,600 lumens for easy daylight viewing
- Automatic vertical keystone correction
- USB Display for fuss-free presenting
- Quick start-up and instant-off functions

Your Slimmest, Lightest, yet powerful presentation partner

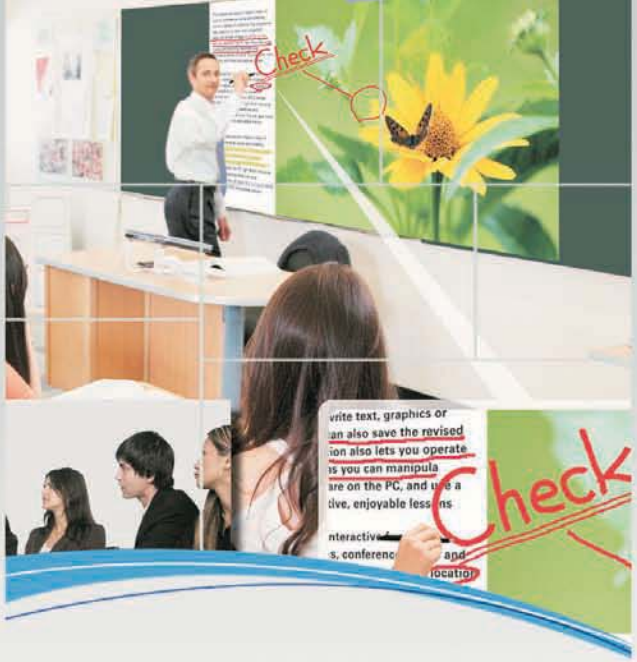
EPSON
EXCEED YOUR VISION

Ultra Short Throw
Interactive Projector

SANYO PCL-WL2503

MAIN FEATURE

- Ultra-short Focus Projector for short-distance-projections
- Embedded Interactivity: presentations can be adjusted and controlled in real time using an interactive pen
- Multimedia projector with built-in 10 Watt speaker
- Brightness: 2.500 ANSI lumens, contrast ratio: 500 : 1
- WXGA Resolution (1.280 x 800 pixels) in 16 : 10 format
- Black-board mode for optimised projections onto coloured surfaces (e.g. interactive whiteboards)
- Direct Power On/Off allows switching the projector on/off without delay
- Anti-theft function through PIN code lock, Key lock
- MyLogo Function for custom logo transfer

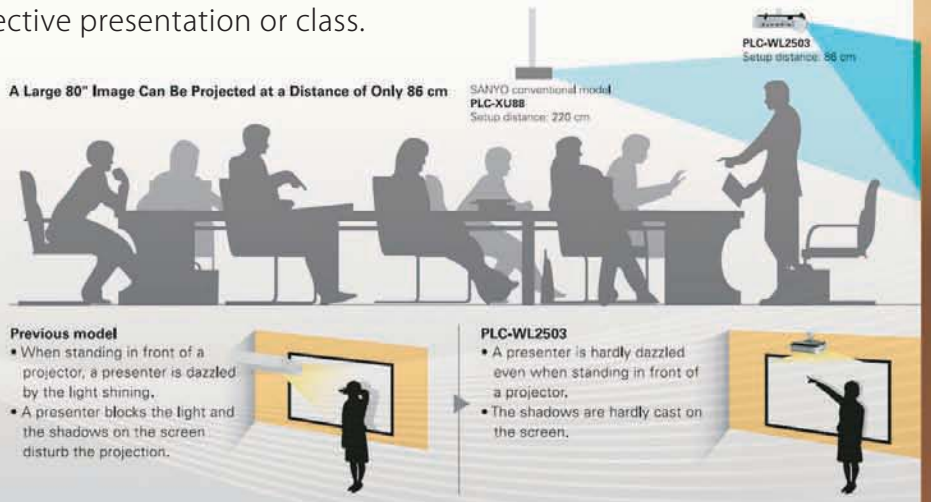


Enable Space Saving Projection & Interactive Function, Powerful Solution for Classroom and Office

SANYO

A Wide XGA Ultra Short Throw Interactive Projector Offering

interactive capabilities which enable effective presentation or class.


A Large 80" Image Can Be Projected at a Distance of Only 86 cm
SANYO conventional model
PLC-XU88
Setup distance: 220 cm
PLC-WL2503
Setup distance: 86 cm
Previous model
• When standing in front of a projector, a presenter is dazzled by the light shining.
• A presenter blocks the light and the shadows on the screen disturb the projection.
PLC-WL2503
• A presenter is hardly dazzled even when standing in front of a projector.
• The shadows are hardly cast on the screen.

PROFESSIONAL PLASMA DISPLAYS
Full HD / HD

LCD DISPLAYS
Full HD

Panasonic FULL HD 3D Plasma Displays
From left to right: 85 inches, 103 inches and 152 inches

MAIN FEATURE

- High resolution Full HD 3D images on ultra-large panels with newly-developed ultra high-speed drive technology
- New "professional quality engine" faithfully reproduces colorful, high-precision images
- New SLOT 2.0 function slots maintains the expandability and flexibility of professional displays

Panasonic
ideas for life

WORLD'S LARGEST
4K2K Plasma Display
Delivers Stunning Clear Images

152-inch
Large-Screen Display

TH-152UX1
152-inch 4096 x 2160 Professional Series
Full HD 3D-ready Plasma Display

3D™ FULL HD
FULL HD 1920×1080p

With an incredible 4K x 2K native resolution, the TH-152UX1 is great for displaying high resolution video or data. The 17:9 aspect ratio complies with the DCI standard for digital cinema, and is 3D-capable with the optional IR Transmitter and 3D eyewear **(3D content input through HDMI 1.4 only).**

FULL HD 1920×1080p

Expressive Power for Natural, Lifelike Images,

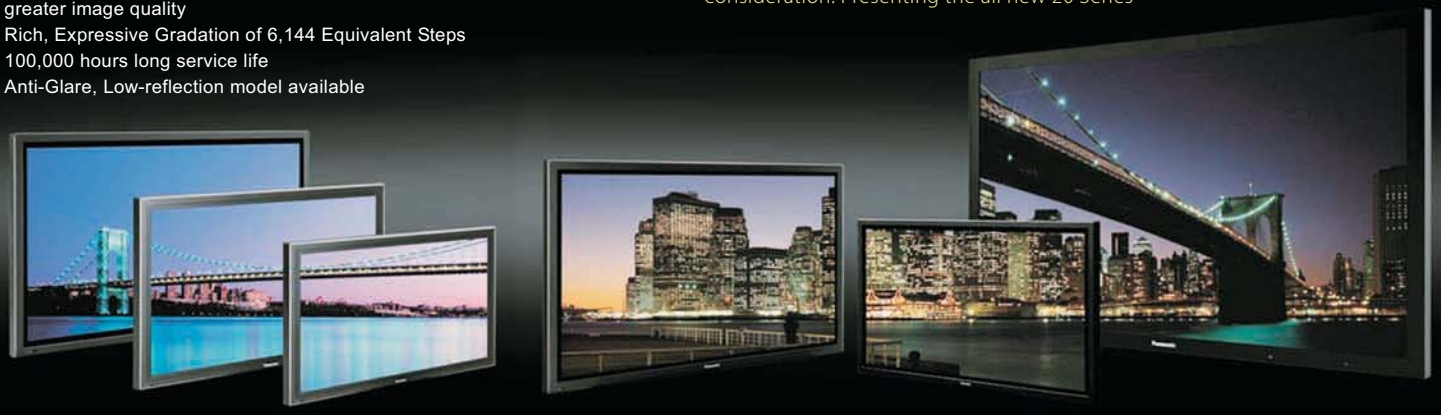
Plus Flexible Expandability with the Slot 2.0

TH-103PF12W

MAIN FEATURE

- Industry-leading 103" 1080p Full High Definition 1,920 x 1,080 resolution
- New NeoPDP Technology increases luminous efficiency by about 2x for greater image quality
- Rich, Expressive Gradation of 6,144 Equivalent Steps
- 100,000 hours long service life
- Anti-Glare, Low-reflection model available

Panasonic's proud NeoPDP technology achieves both high image quality and low power consumption, while new professional-grade designs build in easy expandability, which is a key requirement for commercial use. On top of that, our durable display for digital signage and presentation use also take the environment into full consideration. Presenting the all new 20 Series



High-Brightness LCD Displays Make Their Debut

- Ideal for Wide Open Spaces

Large-screen LCD displays designed especially for digital signage use transmit information with sharp, clear images, in open spaces such as airports, commercial facilities, cafes and restaurants.

In Plane Switching

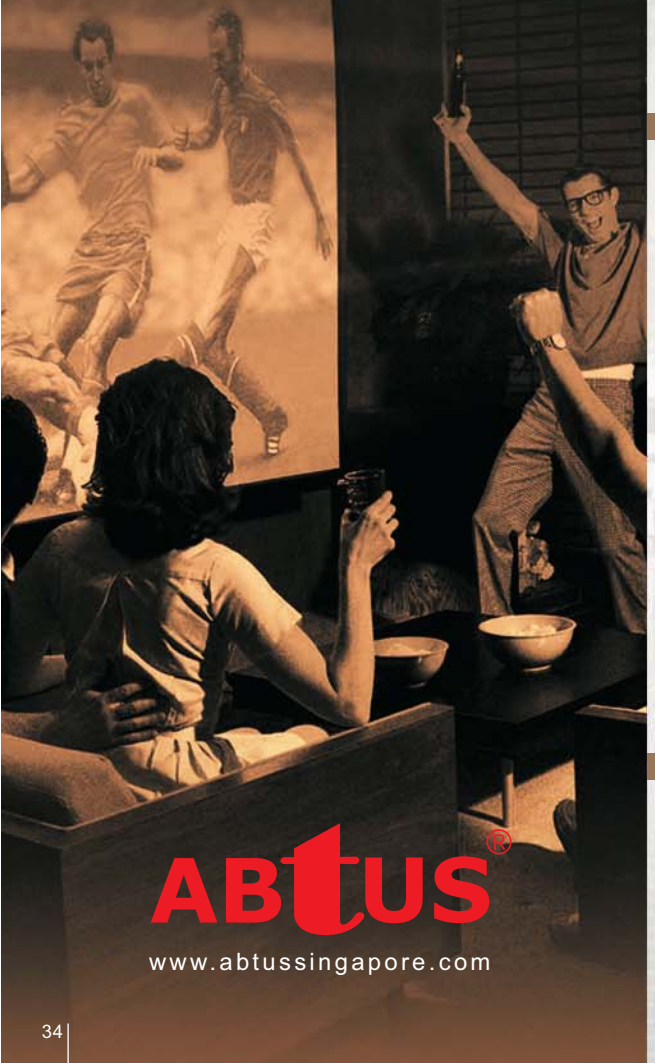
FULL HD 1920×1080p

Professional LCD Displays
42-inch / 47-inch
for Digital Signage

Panasonic
ideas for life

PROJECTION SCREEN

Motorized
Manual
Tripod
Floor Screen
Fast Fold Screen



ABTUS®

www.abtussingapore.com

Presents a wide range of projection screens
for the commercial and professional users

Model:
S136*ABtUS-S 60 x 60 SSR8 | S136*ABtUS-S 70 x 70 SSR8
S136*ABtUS-S 84 x 84 SSR8 | S136*ABtUS-S 96 x 96 SSR8
S136*ABtUS-S 10FT x 10FT SSR8

Motorised Screen

60″ x 60″ 96″ x 96″
70″ x 70″ 10′ x 10′
84″ x 84″

Model:
S134*ABtUS-S 60 x 60 MWC | S134*ABtUS-S 70 x 70 MWC
S134*ABtUS-S 84 x 84 MWC | S134*ABtUS-S 96 x 96 MWC

Manual Screen

60″ x 60″ 84″ x 84″
70″ x 70″ 96″ x 96″

Model:
S135*ABtUS-S 60 x 60 MWC | S135*ABtUS-S 70 x 70 MWC
S135*ABtUS-S 84 x 84 MWC | S135*ABtUS-S 96 x 96 MWC

Tripod Screen

60″ x 60″ 84″ x 84″
70″ x 70″ 96″ x 96″

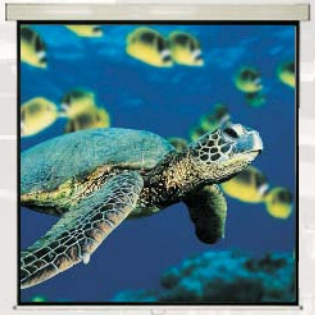
Model:
S137*ABtUS-S F3120
S137*ABtUS-S F3150 | S137*ABtUS-S F3180

Fast Fold Frame Screen

- Two In One Front & Rear Projection Screen
- Screen surface with 7.5cm wide, black border for projection richer in contrast.

VS120″ (8ft x 6ft)
VS150″ (10ft x 7ft)
VS180″ (12ft x 9ft)

ABTUS® PREMIUM SCREEN



Model:
PM-MZ70X70-1 | PM-MZ80X80-1 | PM-MZ94X94-1

Motorised Screen

Easy Height Control System
Noise Prevention System Applied

70″ x 70″
80″ x 80″
94″ x 94″

Model:
PM-MA70X70-1

Manual Screen

Easy Installation System
Soft Movement & Strong Durability

70″ x 70″

Model:
PM-FL80-1 | PM-FL80W-1 | PM-FL100-1

Floor Screen

Extremely Light & Free Move
Integrated Treatment of Screen Fabric
Stable Descent Spring Controller Mounted
Fire Resist System Applied

80 (179 x 193.5cm)
80W (179 x 162cm)
100 (202 x 234.5cm)

Model:
AVS-SSR8/1

Projector & Motorized Screen Controller

It can be easily integrated into a Home Theater, a Media Class Room, a Meeting Room and more. It can also able to integrate with any third party central control system. Simple integration with direct power control of 220 to 240 VAC 50Hz/60Hz.

Integrated with IR/RS-232 projector control capability in one single controller. With the programming software, projector control can be set easily. It is integrated with a self-contain universal IR learning function enable the switcher to be program to control any brand or model of projector that are out in the market.

DA-LITE designing, manufacturing and marketing

the most comprehensive line of projection screens in the world

70″ x 70″
84″ x 84″

96″ x 96″

96″ x 96″

Designer Contour MV Motorised Screen

Wall and Ceiling Mounted Electric Screen

- Stylish curved aluminum extruded case.
- With dimensions of only 4 1/4" deep by 4 5/8" high, the Designer Contour MV is small enough to fit into any installation.
- Built-in low voltage control and silent motor are available options.

Cosmopolitan MV Motorised Screen

Wall and Ceiling Mounted Electric Screen

- Ideal for applications where a recessed installation is not desired or feasible.
- Patented in-the-roller motor mounting system for quiet operation.
- Handsome white case blends with any decor.
- Built-in low voltage control and silent motor option available.

Tensioned Cosmo MV Motorised Screen

Electric Screen that Mounts on Wall or Ceiling

- Same great features as our Cosmopolitan Electrol except screen is tensioned for an extra flat surface for optimum image quality when using data or graphics.
- Tab guide cable system maintains even lateral tension to hold surface flat while custom slat bar with added weight maintains vertical tension.
- Handsome black textured case blends with any decor.
- Built-in low voltage control and silent motor available.

Think BIG

12′ x 12′
16′ x 16′

18′ x 18′
20′ x 20′
18′ x 24′

18′ x 18′
20′ x 20′

Cosmo MV Motorised Screen

Large Venue Electric Screen that Mounts on Wall or Ceiling

- Seamless in all sizes up to 16' wide.
- Patented in-the-roller motor mounting system for quiet operation.
- Two piece aluminum extruded case features a white powder coated finish.
- Built-in low voltage control and silent motor option available.

Professional MV Motorised Screen

(Inbound Motor / Seam @ 16')

Da-Lite's Large Enclosed Electric Screen

- Ideal for large screen applications in stage or auditorium settings.
- Heavy-duty screen for exposed or recessed installation without doors.
- Patented in-the-roller motor mounting system for quiet operation.

Senior MV Motorised Screen

(Outbound Motor / Seam @ 16')

Large Enclosed Electric Screen

- Perfect for auditorium, stage or any other larger screen application.
- Available in sizes up to 12' H x 24' W and 20' H x 20' W.
- Heavy-duty screen for recessed installation.

THE DA-LITE DIFFERENCE

Give us a challenge and we'll give you a solution!

DA-LITE®
Products USA

PORTABLE PA AMPLIFIER SPEAKER SYSTEM

High End Portable PA
Ultra Portable PA

SENRUN®

Multipurpose Wireless
Portable PA Amplifier Speaker System

"Is a mobile unit which satisfied the end user who is engaged in outdoor & indoor speech or activities"

Satisfying end users
is the main theme of this design

EP-900DMUS

High End Portable PA

- **Built in Trolley**
- High Sound Quality
- Energy Saving
- With Wireless/Handheld Mic

SUPER LIGHTWEIGHT
Super Lightweight with integrate body design. The materials use water proof, anti-presses which can defend to strike with force. Extremely retractable handle and sturdy wheels which is very convenient for movement.

HIGH SOUND QUALITY
(Clear sound quality / high efficiency) Two way system design,with the high efficiency 10" woofer and 1" tweeter (Class-D Digital Amplifier). To preserve a high-efficiency audio transmission even use for outdoor activities.

ENERGY SAVING
(Intelligent charger system/LED display) New design-Intelligent charger system, automatically charger when it on using. 4 stages electrical LED display and AAA batteries with fast removable charger design which meets energy saving and environment protecting.

EP-350RA

Ultra Portable PA

- **Built in lithium battery type**
- Super light
- 40 Watts Speaker
- With Handheld Mic

HIGH-FREQUENCY PORTABLE WIRELESS AMPLIFIERS

Pure, Clear and Sanha®

Leading Brand of Professional Wireless Amplifier

JLH-206, Portable Wireless Amplifier

- Latest UHF 2.4GHZ Wireless Technology
- MP3 Player / Digital Recording System (D.R.S.)
- Hi-Power (150 Watts) Digital Amplifier
- Digital power supply, Wireless digital RX / TX system
- The most convenient operating system
- Humanized multi-functional remote controller operation
- Various systems and multiple mic options offer unlimited flexibility for any application
- Premier wireless for the largest, most demanding applications.
- Advanced configurations, technology, and features special digital loop which produces fast step-up
- By using the DC power supply will be having the same result as AC high power output.
- Fully digitized, lightweight design.
- Superior sound quality and high efficiency.

Professional Wireless Lecture Amplifier

SH-420, Wireless Lecture Amplifier

- The first one-piece lecture amplifier made of ABS resin steel shock-resistant material.
- Integrated design enabling realistic, highly intelligible, echo-free distributed sound.
- Stable base.
- Lightweight, easy to transport.
- No microphone interference with speakers.

Mid-Side Portable Rechargeable Amplifier

SH-122, Mid-Size Portable Wireless Amplifier

- Professional broadcasting system design, the sound amplifier is strong & clear.
- Handy, fits for outdoor use. User-friendly.
- Premier class professional magnetic head.
- Reproduces original sound.
- Higher Output, Wireless output.

Sanha®

TOUCH SCREEN
Control Systems

The **ABtUS A934-212C-044** Touch Panel Control uses a standard 4-wire resistive touch panel, which allows up to 32 command codes with a complete user programmable software.

The user-friendly Software allows customized programming such as macros setting, feedback events, control commands and etc. The panel button layout and design can be easily customized and print out either with icons or clear text buttons.

ABtUS®

www.abtussingapore.com

Touch Screen
Control Panel

Application:
Any professional control system requiring multiple IR for AV, lighting or environment control.

■ Schools (Media Classroom) ■ Churches ■ Corporate Applications (Meeting Room) ■ Home Automation ■ Home Theaters ■ Hotels In Room Control

9 Buttons User Programmable
Integrated Projector/Screen Controller

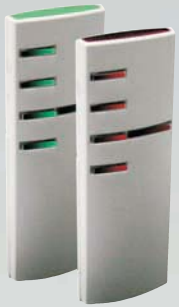
A934-009C-001

- High-brightness white light LED large buttons, button text or icons can be customized and shown clearly.
- Macro definitions setting can be assign for every single button
- Build in with two power relays control (*for motorized screen control)
- With RS-232 or RS-485 selectable communication standard

3 Buttons
RF Control Panel

A934-003C-073

- Multi-control mode selection, power switch / light control /curtain motors are the corresponding model
- Low-power features, the two lithium batteries last up to 18 months of normal operation and usage
- "Battery Low" warning function
- Barrier-free space to operate up to 30 meters distance
- Simple set-up process without the use of any software programs



RF
Remote Controller

A934-042C-073

- Backlight function keys
- Low-power characteristics
- "Battery Low" warning function
- Built-in RF module, barrier-free space to operate up to 30 meters distance
- Double functions for every single button
- Simple set-up process without the use of any software programs

Education Solutions

User Programmable Touch Screen Control Panel

The **ABtUS A934-212C-044** touch control panel uses a standard 4-wire resistive touch panel, which allows up to a total of 32 command codes with complete user programmable software. User-friendly software allows customized programming such as macros setting, feedback events, control commands, etc. Another characteristic is the panel button layout and design, it can be easily customized and printed out accordingly with icons or clear text buttons.

User Programmable Touch Control Panel

A934-212C-044

- Feature with automatic backlight fade out
- Macro definitions setting can be assigned for every single button up to 16 different orders
- Default 3x4 Matrix of 12 touch buttons
- RS-232 or 1 x RS-485 selectable communication standard
- Ultra low power consumption

A934-302I-100
Smart IR Transmitter with Learning

A934-485M-100
Two Way RS-232/RS-485 Convertor with ID

A934-001R-100
Single Relay Power Control Module

A934-332I-100
Smart IR Transmitter with Learning

A934-001D-100
Single Port Power / Dimmer Control Module

TOUCH PANELS
Widescreen

It's Your World Take Control
Designer of home automation systems and equipment.

ViewPoint

ULTRA BRIGHT WIDESCREEN DISPLAY
WIRELESS CONVENIENCE AND SECURITY
INCREASED INFRARED CAPABILITY

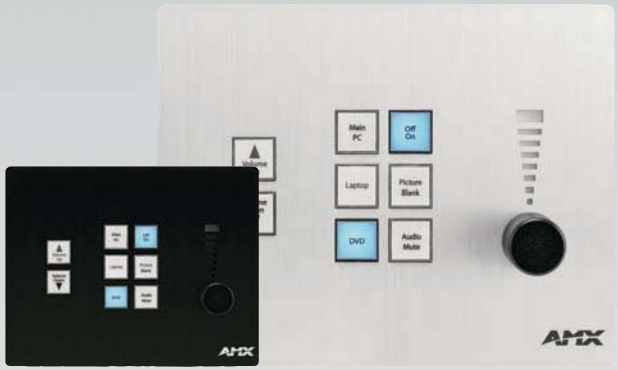
Wireless Touch Panel

9" Modero® ViewPoint® Touch Panel with Intercom

COMMON APPLICATION
Ideal for a wide variety of residential and commercial control and automation applications where flexibility of docked or mobile 802.11a/b/g functionality and extended battery life is desired. This is an ideal solution for extremely noisy wireless environments like MDUs and applications that require telephone/intercom functionality.

MVP-5200i

- Automatically switches between Ethernet connectivity when docked and Wi-Fi when out of dock
- New user interface capabilities including gesturing and 7 different page transitions
- New International Fonts Support Coming Soon – AMX is adding international font capabilities to the user interface including support for right to left languages such as Arabic. A combination of language styles (right to left, and left to right) can also be used. So you can you include Arabic and English on the same screen. This enhancement will be available through a new firmware update.
- 802.11a/b/g Wi-Fi with antenna diversity for improved wireless reliability and features enhanced wireless security protocol
- Extended battery life - five hours of continuous use and three days of standby time
- Micro-SD and USB stick support for easy file transfers and photo uploads
- VoIP intercom and SIP telephone (requires AMX Gateway) ready



8-Button ControlPad

COMMON APPLICATION
Use as a standalone user interface/controller for simple conference rooms/classrooms or combine with an Enova AVX-400 for more complex rooms with switching as well as amplification requirements.

CP-3008

- All-in-one Keypad/Controller – Unique product is a standalone user interface combined with an onboard controller
- RMS Compatible – Remotely monitor, manage and control every room on the network
- Built in Ethernet Port – Allows the Novara ControlPad to communicate with RMS
- Rotary Volume Knob With LED feedback – Easily adjust the volume up/down
- Network Configurable – Configure/update an entire campus/facility simultaneously
- Device Configuration Software (DCS) - No programming required for system setup

Wired Touch Panel

MVP-5200i

5.2" Modero ViewPoint Touch Panel with Intercom

MVP-8400i

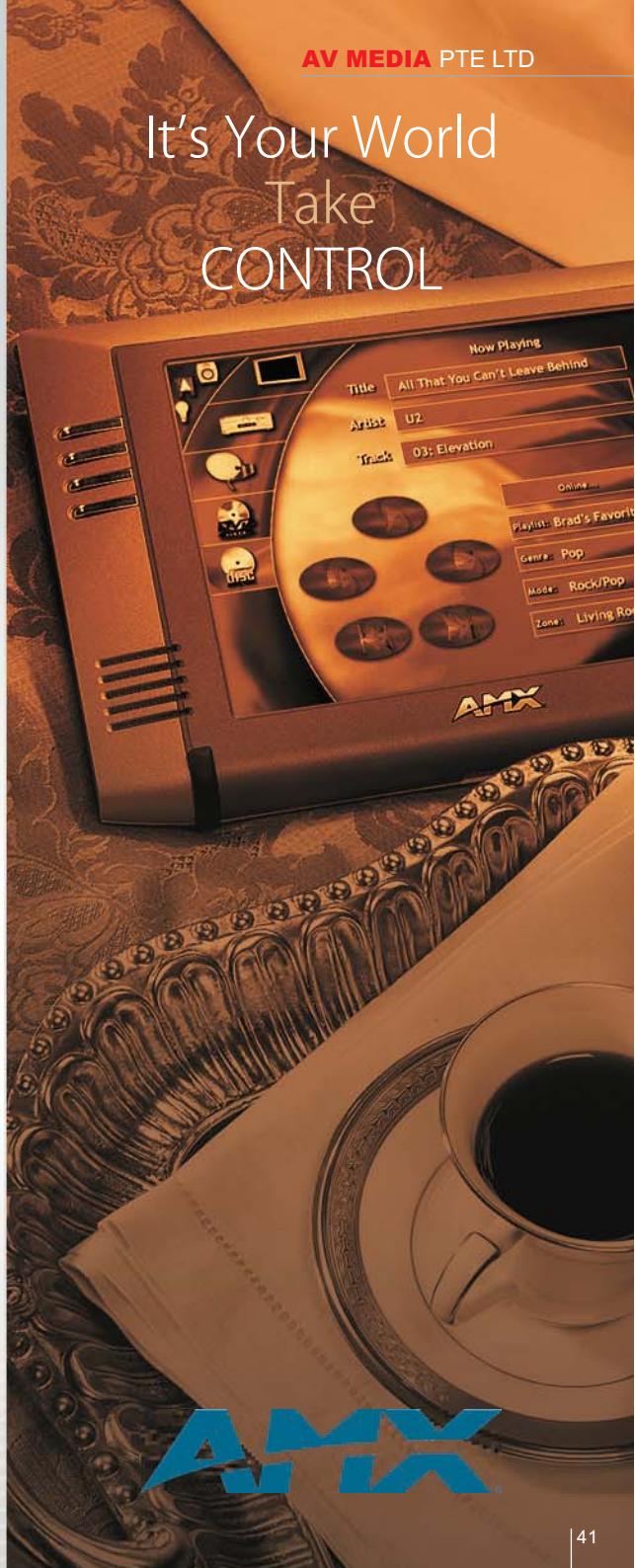
8.4" Modero ViewPoint Touch Panel with Intercom

NXD-435P

4.3" Modero Portrait Wall/ Flush Mount Touch Panel

NXT-500iW

5" Modero Wall/Flush Mount Touch Panel with Intercom



TOUCH PANEL
Integrated Control

Crestron is the world's leading manufacturer of advanced control and automation systems, innovating technology and reinventing the way people live and work. Offering integrated solutions to control audio, video, computer, IP and environmental systems, Crestron streamlines technology, improving the quality of life for people.

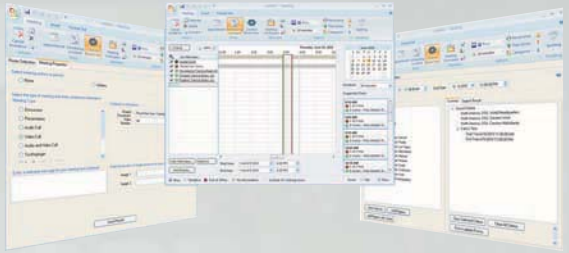
CRESTRON

Growth Through Innovation

Crestron Electronics is the world's premier designer and manufacturer of advanced control systems and multimedia distribution solutions.

The Crestron DIFFERENCE

Integrated Control and Automation Systems



AV2

Economical Dual Bus Control System

A more affordable version of the flagship PRO2, AV2 is a Crestron 2-Series control system processor featuring numerous built-in control ports, optional 3-slot expansion card cage, and optional Ethernet.

RoomView® Server Edition (SW-ROOMVW-SERVER)

Enterprise Management and Scheduling Software

RoomView Server Edition is the Crestron real-time helpdesk software designed to deliver a complete facility-wide network control of AV resources.

WallMount Touchpanel

TPMC-9L

Isys™ 9" Wall Mount Touch Panel

- Adobe Flash object support
- Stylish flush-mount design for in-wall and lectern installation
- 9" widescreen color touch display
- Low profile single-wire connection

Wireless Touchpanel

MTX-3

Isys™ 2.8" Handheld Wireless Touch Panel

- infiNET EX™ wireless mesh network technology
- 75 feet RF range (typical)
- Wide 150 degrees viewing angle
- Instant-Waking™ behavior
- Dynamic text capability
- Long-lasting LiPo rechargeable battery pack

Touchpanel Interface

DVPHD-GB

High-Definition Digital Video Annotator with Guidebar™

- Includes integrated Crestron Isys® graphics engine and touch panel interface
- Supports resolutions up to WUXGA 1920 x 1200 and HDTV 1080p
- Allows easy setup and operation via LCD front panel, touch screen or mouse OSD, or Web browser
- Includes high-speed Ethernet and Cresnet® communications

Tabletop Touchpanel

Isys™ 9" Tilt Touchpanel

A sleek, compact widescreen touchpanel for tabletop use, featuring advanced Core 3 graphics, streaming video, wired video, and IP intercom.

TMPC-9

- Sleek, contoured design for tabletop use
- Elegant high gloss black or white, or matte black finishes
- Generous 9" widescreen color touch display
- 16-bit color touchpanel graphics powered by Core 3
- 800 x 480 WVGA resolution
- Dynamic graphics & text capability
- Programmable swipe gestures for page flips and other functions
- Streaming and full-motion wired video display
- Crestron IP intercom
- WAV file audio feedback
- Crestron Home®'ae CAT5 video connectivity
- High-speed Ethernet and Cresnet®'ae communications
- Built-in USB port for direct program upload
- Up to 45 degree tilt adjustment[2]
- Low-profile single-wire connection
- Available in gloss black, gloss white, or matte black

CRESTRON

HD VISUAL Communication System

Inter-operability Function

1080i Full HD Video

Panasonic
ideas for life

KX-VC600 / KX-VC300

Collaborate in real time, in stunning HD!

With Full HD video and Full Duplex audio over a standard Internet connection, this compact, easy-to-use, interoperable system is changing the face of business meetings.

KX-VC300

Take Your Meetings to the Next Level, with HD Visual Communications System

Full Duplex Microphone

Stable Connection

Easy Operation

KX-VC600

Features and Benefits

- **High Image Quality**
  Panasonic's original high image quality technology achieves a dynamic level of realism that makes you feel like you're all in the same room.
- **High Sound Quality**
  Conversations are comfortable thanks to our Echo Canceller that prevents sound interruptions when people speak simultaneously.
- **Stable Connection**
  Image disruptions and sound interruptions are prevented even on the Internet thanks to original A/V-QoS technology.
- **Computer Connection/Sub-Camera Connection**
  Effective communication is possible while showing the other party a PC screen or sub-camera image.
- **Other-Brand Device/MCU Interoperability**
  Interoperability with other-brand devices and MCUs is a standard feature. This allows smooth expansion into existing videoconference systems, and multi-point communications using an MCU.

HIGH QUALITY VIDEO

Proven Panasonic's video technology delivers immersive pictures for smoother communication

Smooth and Natural motion pictures that 'speak' clearly

Facial expressions can be clearly viewed

Precise close-up shots show a level of detail not available from conventional systems

CONVENIENT CONTENT SHARING

PC content sharing
Sub-camera data sharing
You can easily switch to the PC data with One Button.
Variety of data such as business graph, CAD can be shared.
Zoom in on the fine details you want to share.
Snapshot sends Full HD or HD still images with light-size data.

Flexible designs for advanced

Video Conferencing

High Definition Quality for the Standard Conference Room

Polycom HDX 9000™ Series

Power, performance and flexibility for highly integrated video conferencing environments

- True high definition (HD) video up to 1080p30 or 720p60 resolution with the ability to connect multiple HD video sources
- Polycom's VC2 vision realized with presence capabilities and full management of systems through Polycom Converged Management Application™ (Polycom CMA™) solution
- Hear voices and music clearly with 22 kHz audio in StereoSurround™
- Share HD content easily in native resolution including images, documents and multimedia
- Easily integrate video system into your environment

Features and Benefits

- See and hear every detail with amazing clarity—Polycom Ultimate™ technology
- Experience optimal video at any bandwidth starting from 128 Kbps with H.264 High Profile
- Expanded audio and video I/O allows easy integration for your application
- Share CAD drawings, movies, images, spreadsheets—and more—all in native resolution
- Join multiple participants in a single call easily and quickly
- Easily expand the audio benefits by integrating with Polycom SoundStructure™

Polycom HDX 8000™ Series

For organizations and enterprises that understand the value of high quality video and audio communications, the Polycom HDX 8000 Series offers a video solution that will exceed expectations every day.

- Delivers Polycom UltimateHD™ technology: HD voice, HD video, and HD content for exceptional performance
- Incredible HD video quality starting from as low as 512 kbps with standards-based H.264 High Profile technology
- Integrated solutions with the Polycom Open Collaboration Network
- Unique and industry-leading options for sharing data during a conference
- Internal MCU supports up to four participants in a single conference in high definition with stereo audio
- Simplified dialing and directory search when registered to the Polycom Converged Management Application™ (Polycom CMA™) solution

Features and Benefits

- Advanced HD video technology, offers smooth, natural motion and sharp clear images for outstanding video in 4CIF, 720p30/60 or 1080p
- Manage, schedule, and provision the Polycom HDX 8000 series with the Polycom CMA solution
- Standards-based presence capabilities when used with the Polycom CMA solution allow for one-click dialing to other endpoints, from desktop video applications to immersive telepresence rooms
- Polycom StereoSurround™ technology, using 22kHz audio, delivers crisp, natural voice clarity even when multiple parties are speaking
- Make quality video calls across your network or over the public internet with Polycom's Lost Packet Recovery™ (Polycom LPR™) technology
- Share content with remote sites in unique ways, including sharing PC data and information from other video sources
- Turn-key solutions available with the Polycom HDX Media Center

Polycom® SoundStation® IP 6000

SIP-Based IP Conference Phone
Next-generation IP conference phone designed for small to midsize rooms

- Polycom HD Voice
- Polycom's patented Acoustic Clarity Technology
- 12-foot microphone pickup
- Industry-leading SIP software
- Robust interoperability
- High-resolution display

Polycom® SoundStation® IP 7000

SIP-Based IP Conference Phone
Astounding voice quality and clarity from the world's most advanced IP conference phone

- Polycom HD Voice
- Polycom's patented Acoustic Clarity Technology
- Flexible configuration options
- Strong, robust SIP software
- Robust interoperability
- Large high-resolution display with XHTML microbrowser

POLYCOM®

TOGETHER, GREAT THINGS HAPPEN.

VISUAL PRESENTER

Visualizer

At Lumens Integration, we focus solely on educational solutions. We design the most technically advanced line of visual presenters to help you inspire students with brilliant image quality.

Brighter Teaching

Favorite Tools in New World Classroom

Lumens™ Inspired Learning

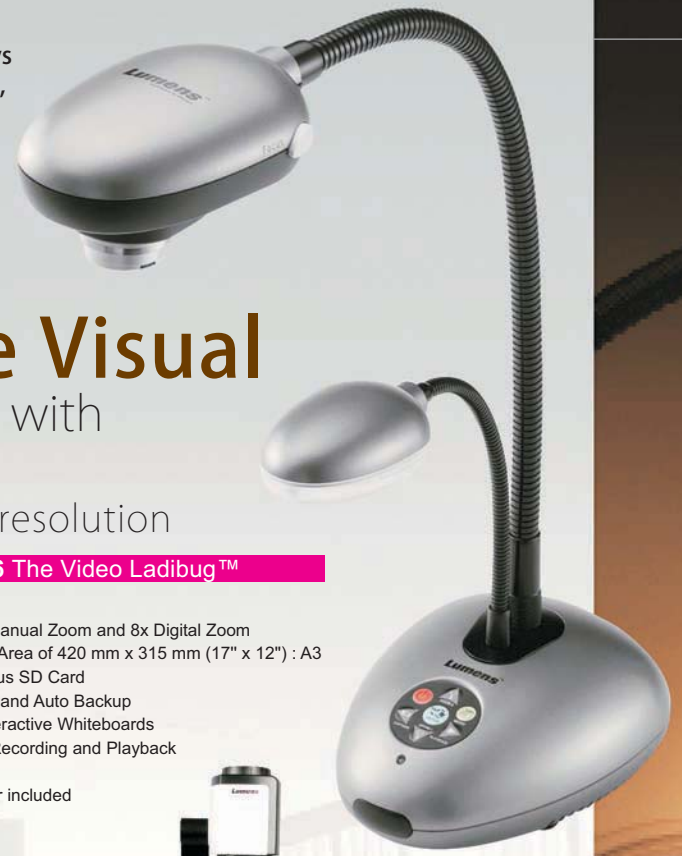
Brighter Teaching
Favorite Tools in New World Classroom

DC166 Ladibug SXGA Document Camera:
The Lumens DC166 document camera sets the standard for performance and features to put superior image quality and advanced features into the hands of K-12 educators for a mid-range price. Support for SXGA resolution (1280 x 1024 pixels), combined with a power-zoom lens and a large shooting area, allows teachers to captivate students with detailed images and focused examples. Teachers, meanwhile, can keep full attention on their students as they show a full-page view of an open book or choose to highlight any specific area of the page with the press of a button. The camera head and lamp are mounted on separate gooseneck arms to give users the flexibility to examine stable or moving objects from any angle in order to further enhance learning.

"The Lumens visual presenter conveys a message: No matter how you learn, I will accommodate you."

"The Lumens visual presenter truly facilitates hands-on learning."

The industry's first
Portable Visual
presenter with
SXGA resolution



Lumens **DC166** The Video Ladibug™

- SXGA Resolution
- 6x Optical Zoom, Manual Zoom and 8x Digital Zoom
- Enlarged Shooting Area of 420 mm x 315 mm (17" x 12") : A3
- Internal Memory Plus SD Card
- Enhanced Security and Auto Backup
- Integration with Interactive Whiteboards
- One-Touch Video Recording and Playback
- Autofocus
- Microscope adapter included

Lumens **DC265** Document Camera

- UXGA Resolution and 6x Optical Zoom
- One-touch Audio / Video Recording
- Integration with Interactive Whiteboards
- HDTV-Compatible
- Fast loading Slide Shows
- Made with Eco-friendly Material

Lumens **PS650** XGA Desktop Document Camera

- HD-Ready Output Resolution, 12X Optical Zoom
- Image Rotation from 0/90/180/270 degree
- Pan across the screen
- Instant Playback Slide Show
- Full Frame Audio and Video Recording
- USB 2.0 High Speed | Support 32GB SDHC Card
- Dual VGA Switch
- Capture and playback up to 120 pictures
- Internal power supply. No messy external power brick
- Split screen for side by side image display

Lumens **PS660** XGA Desktop Document Camera

- HD-Ready Output Resolution, 15X Optical Zoom
- Image Rotation from 0/90/180/270 degree
- 5-Step Book Mode
- Instant Playback Slide Show
- Full Frame Audio and Video Recording
- USB 2.0 High Speed | Support 32GB SDHC Card
- Dual VGA Switch
- Capture and playback up to 240 pictures
- Internal power supply. No messy external power brick
- Split screen for side by side image display

Lumens™
Inspired Learning

LADIBUG
Document
Camera

Ultra Portable

High Definition Visual Presenter

SXGA resolution with a powerful 5.5x optical zoom lens

The Lumens™ DC190 Ladibug™ is a high-resolution multimedia document camera that delivers crystal clear SXGA resolution with a powerful 5.5x optical zoom lens. One-touch audio/video recording and playback that does not require a computer. A large image shooting area means teachers can share a view of large pages and objects instantly. The DC190 camera head and lamp are mounted on adjustable gooseneck arms that allow you to examine objects from any angle.

Lumens **DC190** Ladibug™ SXGA Document Camera

- High-Resolution XGA, SXGA, and WXGA
- One-Touch Video/Audio Recording and Playback
- Built in Microphone
- 5.5x Optical Zoom, Manual Zoom
- 8x Digital Zoom
- Annotation without a computer!
- Supports Wireless mouse devices
- Internal Memory for 120 JPEG Images
- USB Drives supports up to 64 GB
- Compatible with ALL Interactive Whiteboards (IWB)
- Time-Lapse Photography
- Automatic and Manual Slide Show

OPERATION FUNCTIONS

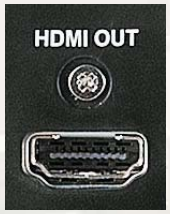
Auto Tune	:	Yes, single button to adjust for best possible images
Auto Exposure	:	Yes
Auto White Balance	:	Yes
Auto Focus	:	Yes
Photo/Text Mode	:	Choose photo/grayscale/text mode
Image Mode	:	Choose normal/35mm slide/microscope/negative film
Image Capture	:	Single capturing of images to built-in memory, or to a computer via USB
Video Recording from	:	One-touch, Video recording and playback with audio built-in microphone
Picture In Picture (PIP)	:	Yes
Freeze	:	Yes
Slide Show	:	FastSlide™ Technology to automatically or manually playback saved images
Image Rotation	:	Full screen image rotation from 90,180 to 270 degrees
Annotation	:	Yes, Annotion with or without a computer
Spotlight	:	Yes
Low Light Mode	:	Yes
Pan Across the Screen	:	Enlarged any part of the image and pan it by using the arrow keys.
Mask	:	Yes
Projector Type	:	Yes, supports both LCD and DLP projectors
Volume control	:	Yes, via remote or OSD

Lumens™
Brighter Teaching

Multimedia

Desktop Document Camera

WXGA, SXGA & XGA RESOLUTION



with HDMI Output, Stand-alone audio, video recording and playback.

The Lumens™ PS750 is a Multimedia document camera with HDMI output, stand-alone audio, video recording and playback. The VGA and HDMI ports provide High Resolution clarity. Specifically designed with the needs of educators in mind, the PS750 works seamlessly with interactive whiteboards and connects via High-Speed USB 2.0.

Lumens **PS750** Multimedia Document Camera

- High Resolution, WXGA, SXGA, and XGA
- 16x optical zoom
- Excellent Color Reproduction
- One-touch video/audio Recording and Playback
- Built-in Microphone
- SD card slot - accepts up to 32 GB
- Compatible with all interactive whiteboards (IWB)
- Time-lapse photography
- Automatic and manual Slideshow
- Full sized backlight lightbox
- 5-year Warranty
- Folds down to a height of 15 cm (6 inches)

OPERATION FUNCTIONS

Auto Tune	: Yes, single button to adjust for best possible images	**Picture In Picture (PBP)**	: Yes, compare live images with a saved image
Auto Exposure	: Yes	**Freeze**	: Yes
Auto White Balance	: Yes	**Slide Show**	: FastSlide™ Technology to automatically or manually playback saved images
Auto Focus	: Yes	**Slide Show Transition Effect**	: 5 slide show transition effects: shutter/right/down/side/open
Photo/Text Mode	: Choose photo/grayscale/text mode	**Image Rotation**	: Full screen image rotation in 90 degree increments
Image Mode	: Choose normal/35mm slide/microscope/negative film	**Pan Across the Screen**	: Enlarged any part of the image and pan it by using the arrow keys
Audio & Video Recording	: One touch, standalone audio and video recording with built-in microphone	**Projector Type**	: Yes, supports both LCD and DLP projectors
Image Capture	: Single or continuous capturing images (time lapse photography) to built-in memory, to an SD card, or to the computer via USB	**Audio Volume adjustment**	: Yes
		Annotation	: Yes, by using Lumens™ software
		Low Light Mode	: Yes

Multimedia Desktop
Document Camera

Lumens™
Brighter Teaching

WIRELESS
PRESENTER SOLUTIONS
(Business)

wePresent **WP-920**

HD Video Streaming Supported
WiFi 802.11b/g/n standards

wePresent is a must-have gateway for your High-Definition video streaming and screen projection. The mobility of wePresent allows you to create a neat and professional set-up for your PCs/ projectors/ TV displays.

wePresent
Wireless Presentation Adaptor

Macworld BEST OF SHOW 2011

notebooks.com BEST OF Macworld EXPO 2011

This is handy.com Award 2011

802.11b/g standards
wePresent **WP-910**

Multimedia wireless presentation system with high speed projection!

802.11b/g standards
wePresent **WP-820**

Just connect wePresent to your projector/TV display for direct screen projection and video streaming!

WiFi AP-Client mode

Faster Screen Projection for Mac and PCs

Remote Control

SNMP Manager

DirectX Application Projection

WIRELESS
PRESENTER SOLUTIONS
(Home)

WIRELESS
Presentation System
VGA / HDMI
Real-time Video / Audio Projection

WiFi 802.11b/g/n standards

WiGA

WGA-210 wireless presentation system has VGA and HDMI interfaces. It can upgrade any type of projector / TV to be wireless one and allow you to enjoy the Internet content on BIG screen right away.

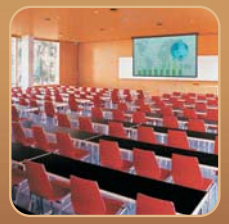
bg WiFi compatible

WiGA / WGA-120

WiGA / WGA-210 Wireless Presentation System

Main features:

- Up to 30fps network screen projection speed Project screen image with video/audio smoothly disregard to video format and resolution
- HDMI output Support 720p resolution on any display through standard HDMI output
- WiFi AP-Client mode Allow WGA-210 to join the existing WiFi Access Point wirelessly for flexible network deployment in enterprise environment
- SNMP Manager Manage and configure multiple WGA-210 device(s) settings through friendly SNMP application
- Windows™ DirectX application projection Support DirectX application projection, such as AutoCAD, ProE and 3D PC games.



wePresent
Wireless Presentation Adaptor

POCKET PROJECTOR / Camcorder

3M™ Camcorder Projector Shoot ‘n Share **CP40**

Shoot, Instantly Project and Share High Definition Videos and Images Anywhere, Anytime

Easy to Use

- Simply push a button to record and another to project

Movie Theatre and Multimedia Production Studio Rolled into One

- Project and share immediately after recording – no need to upload using messy cables or additional projection devices
- Allows vivid projected image of up to 65 inches diagonal in size

Flexibility and Connectivity

- Comes with a micro-SD card slot that offers additional storage up to 32GB
- Has a USB port for fuss-free downloading of videos and images to PCs or laptops
- Also works with content from other devices, such as iPhones, iPods, mobile phones, DVD players and gaming consoles

Pocket-sized for

Shoot 'n Share

Introducing the 3M™ Camcorder Projector Shoot 'n Share CP40.
Now you can shoot HD video, then project and share it instantly.

3M™ Pocket Projector Family **MP180**

With the 3M™ PocketProjector MP180’s Wi-Fi and Bluetooth technology, you can access, update and download files over the Internet. So you never again have to worry about having the right content for your presentation.

Features and Benefits

- The 3M family of Pocket Projectors offers something for almost every need and price point.
- Whether you are a business professional traveling from meeting to meeting or someone who wants to share photos, video and Facebook fun with friends once the work day is over, 3M pocket projectors put the power to share in the palm of your hand.
- Each 3M pocket projector features a rechargeable, Lithium polymer battery and a long-lasting LED light source, so there are virtually no parts to replace ever.
- The 3M Family of Pocket Projectors has been recognized for innovation and quality by such outlets as Popular Science, PC World and The Edison Awards for innovation.

Slim and Portable

Wireless Presenter & Laser Pointer With Remote Mouse

3M Wireless Presenter **WP 7200**

- Page up down, ESC, F5, Laser pointer
- Slim and portable
- Target at business and consumer markets

The ultimate acessory for

Professional presentations

3M Wireless Presenter **JC2300**

Professional 2.4 GHz Presenter

- Page up down, Laser pointer
- Pen type portable wireless presenter
- 10 meters range
- Entry level wireless presenter

The advantage in your

presentation !

Wireless Presenter

3M

MULTIMEDIA
Controller Switcher

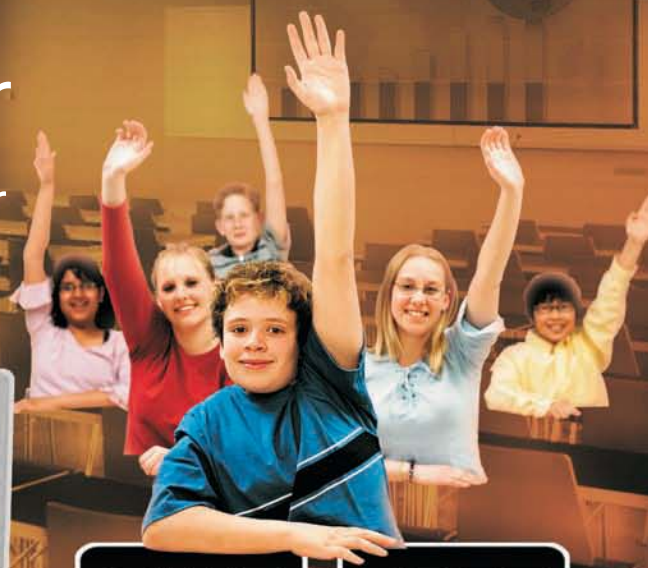
AVS-308V6

The **ABtUS AVS-308V6** Media Control Panel is one of the most user-friendly installer. Its Pre-Programmable Controller specifically designed for a easy and central control of any AV projection system. It removes the need for over-complicated and multiple remote control handsets.

ABtUS®

www.abtussingapore.com

User Programmable Integrated
Projector Controller
Switcher



ONE Touch Input Selection

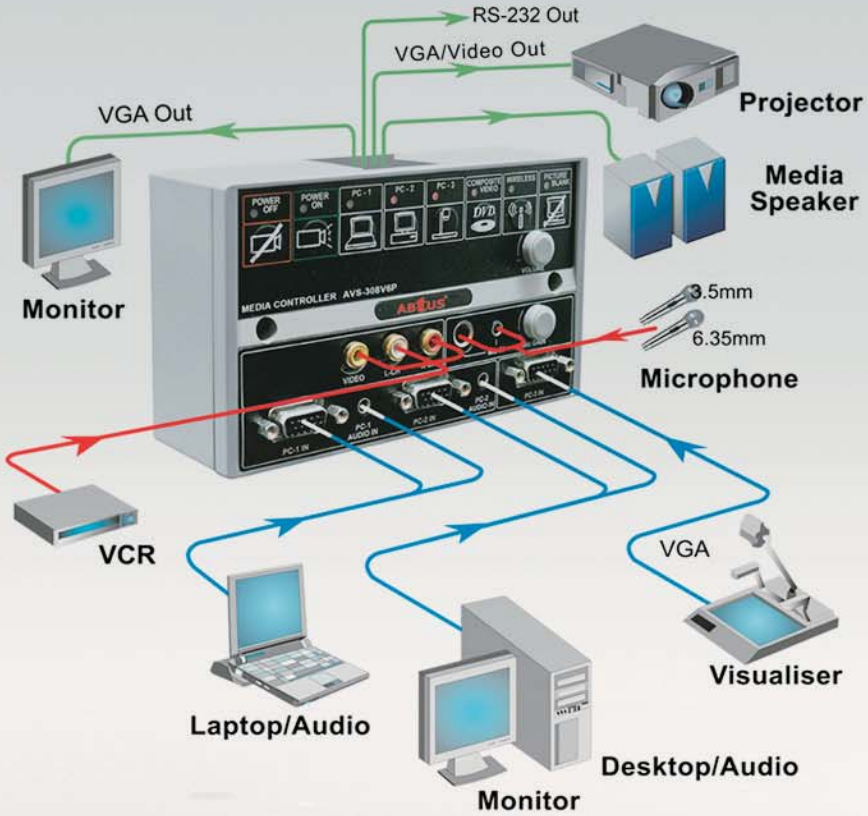
USER Programmable RS-232 Control

SOLD more than 100,000 units

MAX. Resolution 1280 X 1024

- "User Programmable" with Window base Application Software
- Simple to use with one to one function controlled button with LED indication
- Works well with any monitors, projectors
- Supports 3 VGA input with resolutions from VGA to SXGA
- Easy Installation with standard 2.45mm connector and cabling
- Fully self contained / integrated Projector Controller with AV switcher

Integrated Projector
Controller Switcher



Integrated Projector
Controller Switcher

High performance Projector Controller designed for any small Multi Media Class Room/Training Room, Boardroom, Workstation Environment or Multipurpose Hall application.

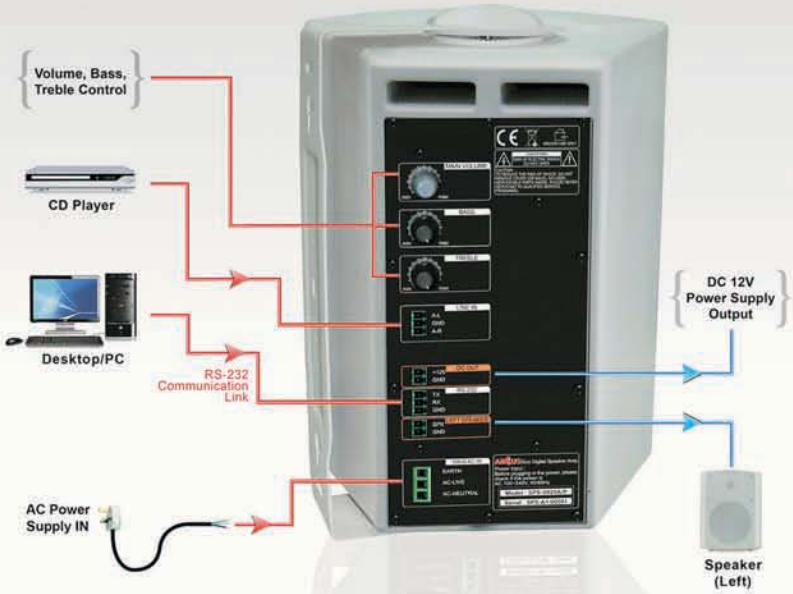
AVS-120A

- "Pre-programmed" with up to 16 selectable "projector control table"
- Simple to use with one to one function controlled button
- Works well with any monitors and projectors
- Supports 2 VGA input with resolutions from VGA to SXGA
- Easy Installation with standard 2.45mm connector and cabling
- Fully self contained / integrated Projector Controller with AV switcher

ECO SPEAKER
System

ECO Active Speaker System

The **ABtUS SPS-S025A/P1** is a new Eco Active speaker System that design to deliver quality stereo audio amplification within a speaker system. With a output power at 2 x 25 watts, this speaker provides a new generation of energy saving. This system offers a powerful and versatile answer to any installation's needs especially in a multimedia classroom. With it's unique **"Auto Power ON/Off base on with input detection"** and digital amplification circuit, it consume as low as 4.5 watts of power in a typical usage, which make this the most Eco-friendly amplification solution ever. A RS-232 is integrated so that Volume, Treble, Bass ect. can be controlled by any third party central media control system when required.



ECO Digital Amplifier 25 Watts per channel

SPS-S025A/P1

- Integrated with Switching Power Supply Unit for best power efficiency
- Integrated with Digital Audio Amplifier with a low power consumption
- Integrated with input signal sensing for Auto Power ON/OFF to maximum power efficiency
- A Fully Eco-Friendly Speaker System
- A RS-232 I/O allows control from any third party central control system

ABtUS®
www.abtussingapore.com

Active Media
Speakers

SPS-866B (20 Watts Per Channel)

SPECIFICATIONS

Technical	Model: SPS-S025A/P1		Model: SPS-S025A1
	Signal Type	**Connector type**	
Input	1 x Stereo Audio Line-in	1 x 3pin screw type terminal block	
Output	1 x Left Speaker	1 x 2pin screw type terminal block	
	1 x 12V DC power	1 x 2pin screw type terminal block	
Control port	RS-232	1 x 3pin screw type terminal block	*No RS-232 I/O
Output Power	25W + 25 W		
Speaker Unit			
	Tweeter	1" (balanced dome)	
	Woofer	6 1/2" PP cone	
Sensitivity	89bD		
Frequency Range	20 Hz to 20 KHz (Amplifier)		
	30 Hz to 18 KHz (Speaker)		
Treble Adjust	± 10 dB		
Bass Adjust	± 10 dB		
Separation	≥ 45 dB		
S/N Ratio	≥ 75 dB		
Power Supply	Switching Power Supply unit	AC 100~220V 50/60Hz	
Mechanical			
Housing	ABS enclosure		
	Product	**Package**	
Dimensions (L x W xH)	288 x 215 x 180 mm	425 x 250 x 330 mm	
Weight	3.4 Kg (*Active Speaker)	6.8 Kg	
	3.2 Kg (*Passive Speaker)		
Fixedness	2 x Wall-Mount U bracket		
Package include			
	1 x Active Speaker	*With Eco Digital Audio Amplifier	
	1 x Passive Speaker		
	2 x Wall-mount U bracket		
	1 x Quick User Guide		
	1 x Power Cord		
	1 x Speaker Cable		

2-Way Indoor Powered Speakers
20 Watts Per Channel

SPS-S020A1

- Ideal for monitor, AV applications
- Stereo inputs RCA mini stereo jack
- Stylish design, suited for place everywhere
- Good at efficiency

Energy Saving
Environmental Friendly

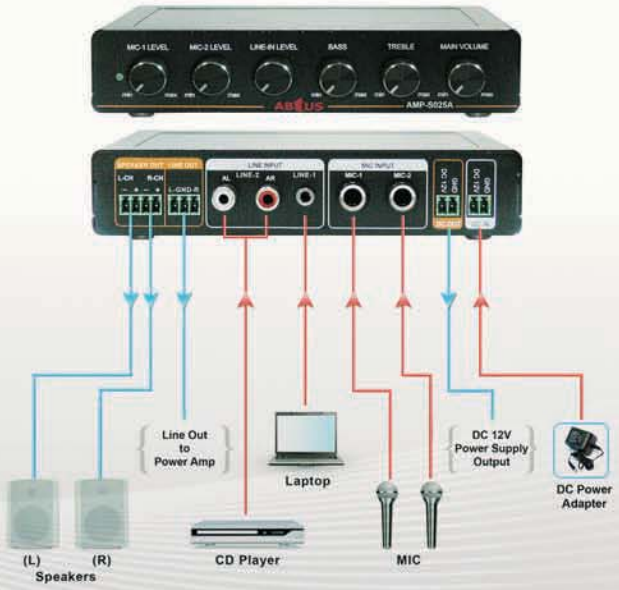
ECO Digital Mixer Amplifier 25 Watts per channel

AMP-S025A

- Powered with Switching Power Adaptor for Maximum Power Efficiency
- Integrated with Digital Amplifier for low power consumption
- Integrated with input signal sensing for Auto Power ON/OFF
- Fully Eco Friendly Digital Mixer Amplifier System (*energy saving)

SPECIFICATIONS

	Signal Type	Connector type	
Input	1 x Stereo Audio Line-in	2 x RCA female connector	
	1 x Stereo Audio Line-in	1 x 3.5mm stereo min Jack	
	2 x Microphone	2 x 6.3mm stereo Phone Jack	
Output	1 x Left and Right Speaker	1 x 4pin screw type terminal block	
	1 x Line Out	1 x 3pin screw type terminal block	
	1 x 12V DC, 1A	1 x 2pin screw type terminal block	
Output Power	25W + 25 W (*base on 4ohm speaker)		
Frenquency Range	20 Hz to 20KHz (Amplifier)		
Power Supply	Switching AC DC Power Adaptor 18V DC 3.33A		
	Sleep Mode	**Standly Mode**	**Operation Full Load**
Current	0.00A	0.05A	0.06A
Power Consumption	0 Watt	3.3 Watt	4.5 Watt



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A World of Digital Clarity

One-Stop
Solution Provider
In The Audio Visual
Industry

ABTUS®

www.abtussingapore.com

VGA CAT-5 Extender (150 meter & 300 meter over CAT-5e cables)

CAT-GA11T/A
1:1 VGA/Audio over 150 meter CAT-5 Transmitter

CAT-GA11R/A
1:1 VGA/Audio over 150 meter CAT-5 Receiver

CAT-GA11R/AP3 & CAT-GA111R/AP3
1 x CAT-5 to 1 x VGA/Audio Receiver
(300 meter)

CAT-GA11MT/AP3
1 x VGA/Audio to 1 x CAT-5 Transmitter
(Monitor Out)

CAT-GA14MT/A
1:4 VGA/Audio over CAT-5 Transmitter
(Monitor Out)

Composite Video CAT-5 Extender (600 meter over CAT-5e cables)

CAT-CV11T/A
1:1 Composite Video/ Stereo Audio over CAT-5 Transmitter

CAT-CV11R/A
1:1 Composite Video/ Stereo Audio over CAT-5 Receiver

CAT-CV14T/A
1:4 Composite Video/ Stereo Audio over CAT-5 Transmitter

CAT-CV111R/A
1:1 Composite Video/ Stereo Audio over CAT-5 Receiver with Loop Out

RGBHV/Audio to CAT-5 Extender

CAT-RGB212T/AP
2:1x12 RGB/Stereo Audio over CAT-5 Transmitter

CAT-RGB224T/AP
2:1x24 RGB/Stereo Audio over CAT-5 Transmitter

Projector/Multimedia Controller Switcher

AVS-SSR8/1
Projector & Motorized Screen Controller

AVS-308V6
Multimedia Projector Controller

AVS-1200C/S
Multimedia Controller and Switcher

AVS-1200CV2/SV2
Multimedia Controller and Switcher

Multimedia Interface Panel

IFP-701A
Metal Material Interface Panel with 3RCA (composite video and audio), 1 VGA, 1 PC Audio,1 USB, A Type w/o back box

IFP-702A
Metal Material Interface Panel with 3RCA (composite video and audio), 1 VGA, 1 PC Audio w/o back box

IFP-703A
Metal Material Interface Panel with 2 VGA with PC Audio w/o back box

IFP-703B
Metal Material Interface Panel with 1 VGA with PC Audio and 1 XLR Mic, w/o back box

IFP-703C2
Metal Material Interface Panel with 2 XLR Mic w/o back box

IFP-704A
Metal Material Interface Panel with 3RCA (composite video) and HDMI w/o back box

VGA Distribution Amplifier

AVA-GA12N/A2
1:2 VGA Digital Amplifier with Audio
(No External Power Required)

AVA-GA14G/A
1:4 VGA Digital Amplifier with Audio

AVA-GA18G/A
1:8 VGA Digital Amplifier with Audio

AVA-GA116G
1:16 VGA Digital Amplifier

VGA Distribution Amplifier Switcher

AVA-GA 24G/A
2:1x4 VGA Distribution Amplifier Switcher
with Stereo Audio

AVA-GA 28G/A & 28G/AP
2:1x8 VGA Distribution Amplifier Switcher with Stereo Audio
(*AP: with external control com port)

AVS-GA 82A/P
8:1x2 VGA Distribution Amplifier Switcher
with Stereo Audio and RS-232

Component Video Dist. Amplifier Switcher

AVA-CP24/AP
2:1x4 Component Video/Stereo Audio
Distribution Amplifier Switcher
with External Control

AVA-CP28/AP
2:1x8 Component Video/Stereo Audio Distribution
Amplifier Switcher with External Control

HDMI Distribution Amplifier & Switcher

CAT-HDX11MT/A
HDMI Over CAT-5 Transmitter

CAT-HDX11R/A
HDMI Over CAT-5 Receiver

AVA-HDMI 18 / AVS-HDMI 81
1:8 HDMI Distribution Amplifier / 8:1 HDMI Switcher

Scaler Switcher

AVS-SCL402/A
4:1x1 Multimedia Presentation
Scaler Switcher

AVS-SCL802/A
8:1x2 Multimedia Presentation
Scaler Switcher

Matrix Switcher

MAX-RGB88/AP
8x8 RGB/Stereo Audio Matrix Switchers

MAX-GA88/AP
8x8 VGA/Stereo Audio Matrix Switchers

MAX-GA84/AP
8x4 VGA/Stereo Audio Matrix Switchers

MAX-GA33/AP
3x3 VGA/Stereo Audio
Matrix Switchers

MAX-GA42/AP
4x2 VGA/Stereo Audio
Matrix Switchers

A World of Digital Clarity

More Than Just
An Extensive
AV Solution Warehouse

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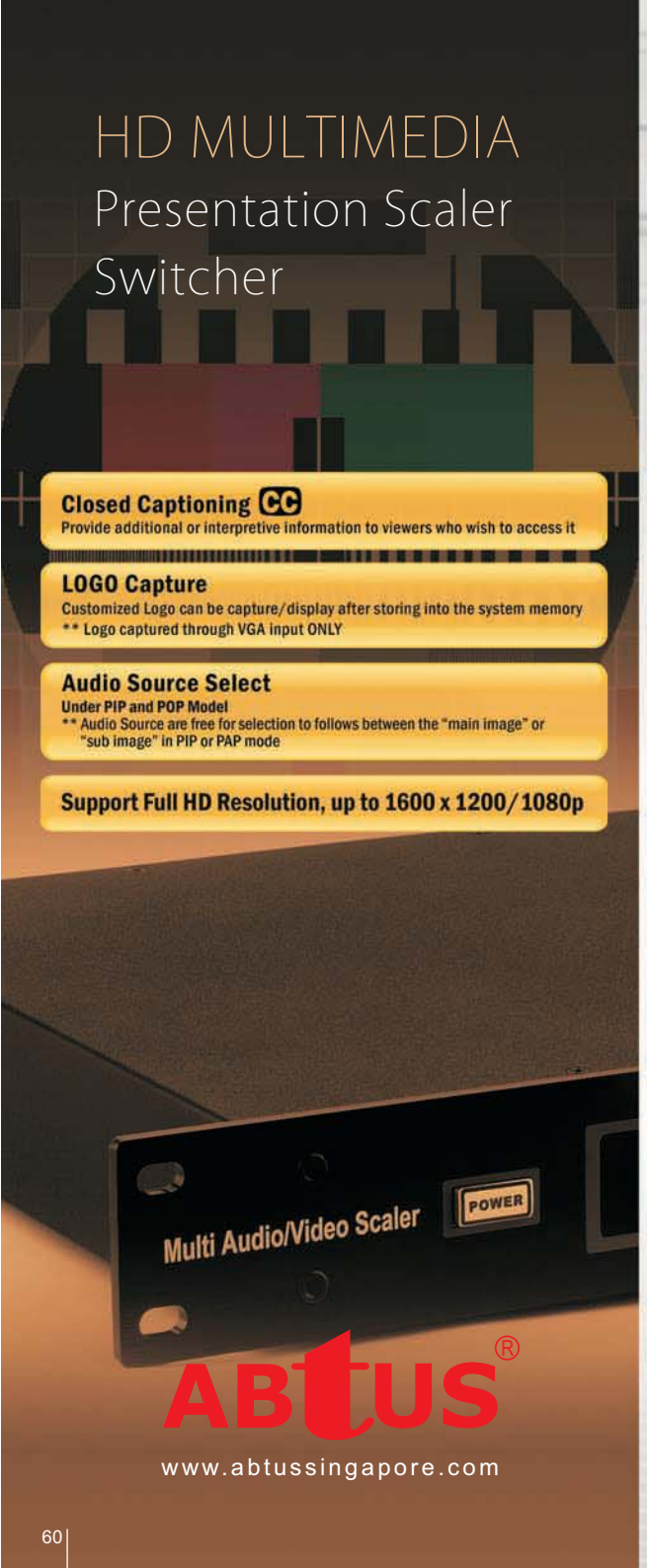
HD MULTIMEDIA
Presentation Scaler Switcher

Closed Captioning CC
Provide additional or interpretive information to viewers who wish to access it

LOGO Capture
Customized Logo can be capture/display after storing into the system memory
** Logo captured through VGA input ONLY

Audio Source Select
Under PIP and POP Model
** Audio Source are free for selection to follows between the "main image" or "sub image" in PIP or PAP mode

Support Full HD Resolution, up to 1600 x 1200/1080p



ABTUS®

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World's first

Full HD Scaler Switcher

with VGA over CAT-5 Extender Up to 300 meter

AVS-SCLHD1002T/AP1

10:1x2 HD Scaler Switcher Over CAT-5

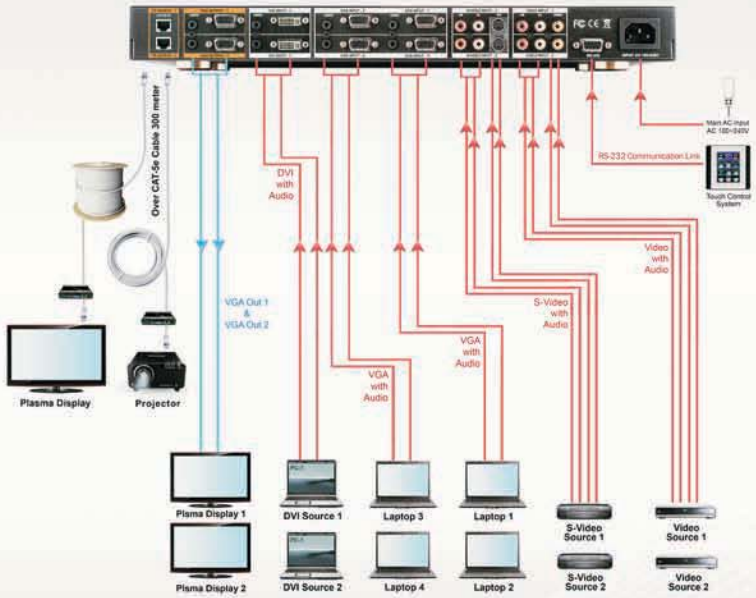
The **ABtUS AVS-SCLHD1002T/AP1** is a Pro-AV HD Scaler switcher over CAT-5 that takes up to 10 different Video Input formats. It scales any Composite, S-Video (Y/C), component video (YUV) or computer graphics video signal up or down to a selectable graphics output resolution.

Feature:

- VGA Over CAT-5
- Support High Definition (HD) Resolution, up to 1600 x 1200/1080p
- Support up to 10 inputs with 2 outputs
- Support DVI input as well
- With Picture In Picture & Picture And Picture / Swap feature

Application:
Any professional presentation system requiring multiple AV Inputs of all different type of Video Standard and a Standard Video D-SUB 15 pin with RCA or 3.5mm audio output interface.

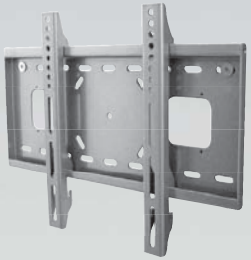
■ Schools (Media Classroom) ■ Churches ■ Corporate Application (Meeting Room)



AVS-SCLHD1002/AP1

(10 In 2 x VGA Out)

Plasma/LCD Display Wall Mounts



AV415-W2
Fixed Wall Mount
(Suitable for 23" to 37")

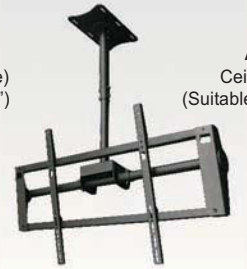
AV480-W2T
Tru~Tilt Wall Mount
(Suitable for 23" to 37")

AV483-L360A
Tilt Wall Mount
(Suitable for 23" to 37")

AV410-P
Portrait Wall Mount
(Suitable for 37" to 50")

Plasma/LCD Display Ceiling Mounts

AV417
Ceiling Mount (Double)
(Suitable for 37" to 50")



AV418
Ceiling Mount
(Suitable for 50" to 65")

AV420W
Ceiling Mount
(Suitable for 37" to 50")

AV420W2
Ceiling Mount
(Suitable for 23" to 37")

Plasma/LCD Display Cantilever Mounts

AV508-WP1
Cantilever Mount
(Suitable for 23" to 37")

AV508-DV
Double Arm Cantilever Mount
(For VESA 400x400); (Suitable for 37" to 50")

AV508-D
Double Arm Cantilever Mount
(For non-VESA Standard); (Suitable for 37" to 50")

AV508-S
Single Arm Cantilever Mount
(Suitable for 23" to 37")

Projector Ceiling Mount | LCD Monitor Wall Mounts | Short Throw Projector Wall Mounts

AV815
Ceiling Mount
(Load Capacity: 15kg)

AV817
Flush Mount
(Load Capacity: 20kg)

AV607-F
Fixed Wall Mount
(Suitable for 10"-23")

(Flush Mount)
AV601-RW
Cantilever Mount
(Suitable for 10"-23")

AV890-610 | AV890-1500
Distance From Projector to Wall
Max: 560mm | Max: 1460mm

AV891-610 | AV891-1500
Distance From Projector to Wall
Max: 613mm | Max: 1515mm

AV891WS-610 | AV891WS-1500
Distance From Projector to Wall
Max: 613mm | Max: 1515mm

Projector & LCD Monitor Lift

AV900-A
Max.Height
605mm

AV900-B
Min.Height
155mm

AV900-C
Max.Height
1280mm

AV901
LCD
Monitor Lift

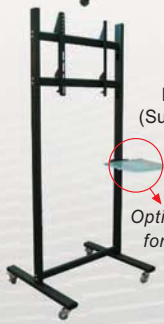
Plasma/LCD Wall Arm Mount

AV509
Wall Arm Mount (Suitable for 32" to 42")

SW-506
Wall Swivel Arm Mount
(Suitable for 37" to 45")

Plasma/LCD Display Mobile Stand

AV383-W6
Mobile Stand
(Suitable for 37" to 50")



AV382
Mobile Stand
Economy Version
(Suitable for 37" to 50")

AV383-D
Dual Display
Mobile Stand
(Suitable for 40" to 46")

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